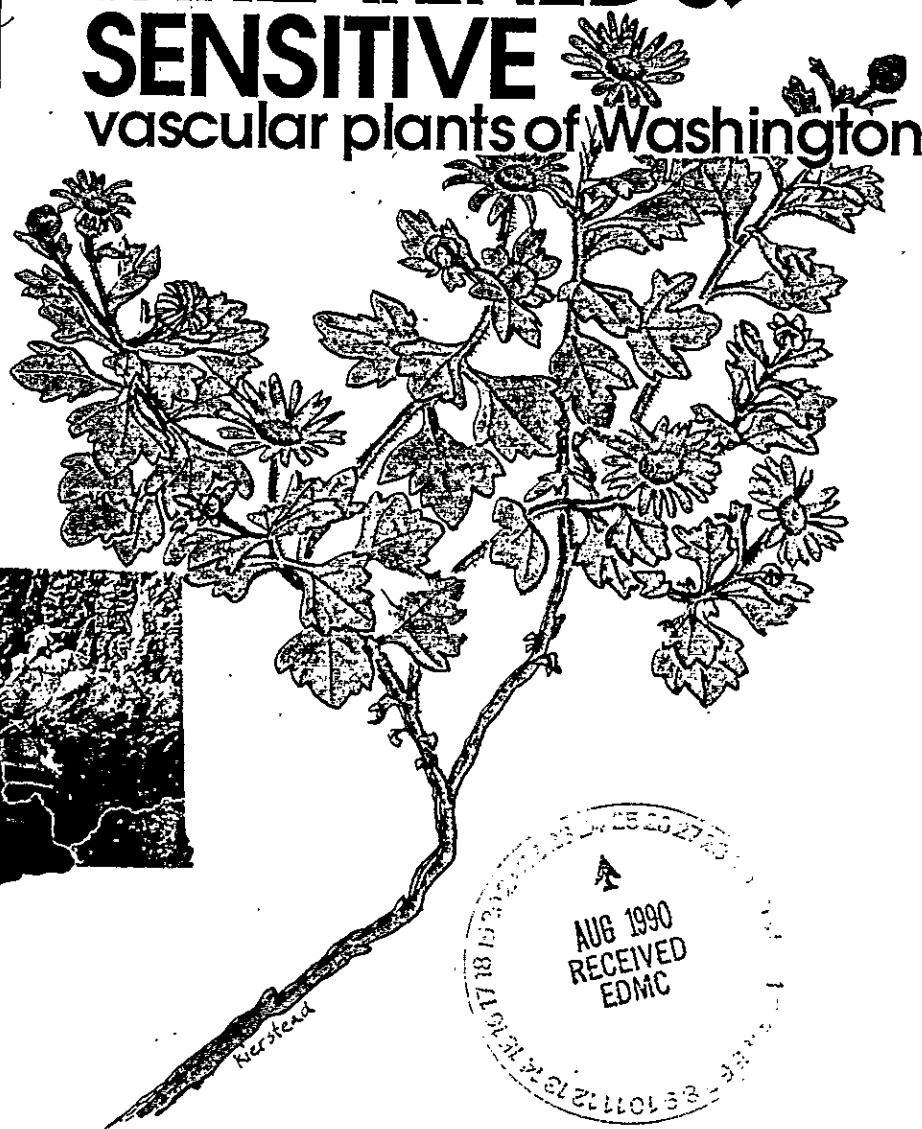


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# 1990 ENDANGERED THREATENED & SENSITIVE vascular plants of Washington



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**

Brian Boyle - Commissioner of Public Lands  
Art Stearns - Supervisor  
Land and Water Conservation

1990

# ENDANGERED THREATENED & SENSITIVE

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*This publication has been compiled by the  
Washington Natural Heritage program.*



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# Acknowledgements

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# Introduction

The Washington Natural Heritage Program has prepared this publication to serve as a reference for the Endangered, Threatened and Sensitive vascular plants of the state.

The publication has two purposes:

- To assist land and resource managers and planners in determining which species of concern might occur within their management jurisdiction
- To help amateur and professional botanists focus attention on those taxa most in need of field work

# INTRODUCTION

## FORMAT

This publication consists of a Main List, Monitor List, and several appendices, which are described below.

The lists are based on the most current information available on the distribution and abundance of each plant taxon in Washington. As new information is gained on individual taxa, they will be reviewed for potential changes in state status.

**Main List** Plants on the main list have been assigned a status of Endangered, Threatened, Sensitive or Possibly Extinct or Extirpated in Washington. The state status is intended to convey the relative degree of threat that a particular species is under and consequently, the level of concern and protection it should receive.

Taxa are arranged by scientific name within each status category. Included are common name, family, federal status (if any) and a brief description of the distribution of the taxon in Washington.

**Monitor List** The monitor list consists of taxa of potential concern, but for which no status is assigned at this time. Taxa are listed alphabetically by scientific name.

**Appendices** Appendix A presents common and scientific names of the plants included in the publication.

Appendix B describes changes made to the Main and Monitor lists since the 1987 publication. Included are:

- Status changes
- Additions
- Nomenclatural changes

Appendix C presents synonyms of plants noted in the Main List. The synonyms are taken from Hitchcock and Cronquist (1973), *Flora of the Pacific Northwest*.

## **ADDITIONAL INFORMATION**

The Natural Heritage Program maintains a comprehensive data base with site-specific information for plants on the Endangered, Threatened and Sensitive lists. This data base aids land managers and planners, researchers and others requiring current information. Information regarding use of the data base can be obtained from:

Washington Natural Heritage Program  
Department of Natural Resources  
Division of Land and Water Conservation  
MAIL STOP: EX-13  
Olympia, WA 98504

(206) 753-2449

The Natural Heritage Program also welcomes additional information on any of the plants listed in this publication, as well as suggestions regarding their status.

Additional copies of this publication may be obtained by writing to the address above.

# Chapter One: Main List

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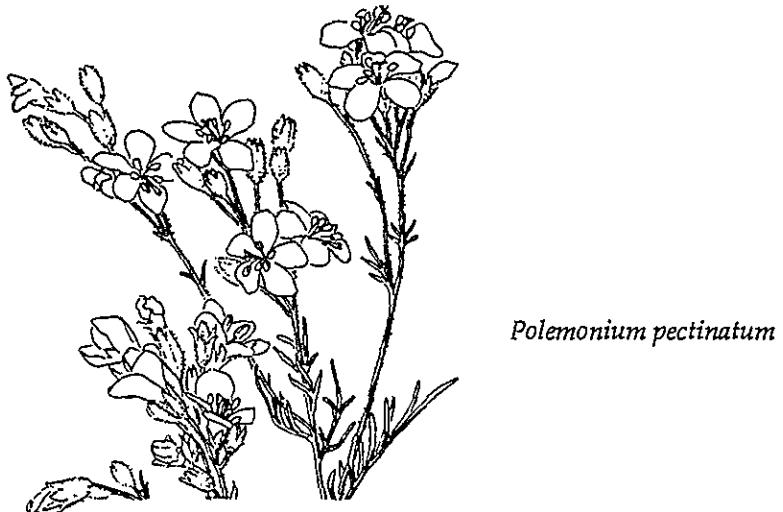
# BASIS FOR INCLUSION

Only vascular plants, including ferns and fern allies, which are native to Washington, are included in the lists in this publication. Introduced species, such as weeds and plants which have escaped cultivation, are excluded. Sterile hybrids and relatively minor floral and vegetative variations found in some taxa (e.g. forma or sub-forma) are also excluded.

## CRITERIA

Five major criteria are considered in evaluating a plant taxon for placement on one of the lists and the assignment of a statewide status:

3	<i>Occurrence pattern</i>	This refers to both the spatial and temporal distribution of the taxon within the state. Is the plant local to a specific area only, or is it more regionally distributed? Is it disjunct in Washington from areas outside the state? Is it at the margins of its range, being more abundant and widespread in neighboring states or provinces? How often has the plant been observed over the years? There may be several older records for a plant, but no recent observations of it. Conversely, a plant may not have been collected or searched for in previous years, but recent field observations indicate that it is common.
2	<i>Vulnerability</i>	Vulnerability refers to the amount of reduction of suitable habitat that has taken place to date, the present rate of reduction, the expected rate of reduction in the future and the spatial distribution of remaining habitat. Life history attributes, population biology and ecology, and response to disturbance are also considered.
0	<i>Type(s) of threat</i>	The type of threat considers all actual or potential factors which contribute directly or indirectly to a taxon's decline or to habitat degradation or removal.
7	<i>Degree of protection</i>	This refers to the protection of populations and/or habitats by virtue of their being located within areas for which the overall management is compatible with maintenance of the taxon in question.
7	<i>Taxonomy</i>	Taxonomy considers the relationship between a taxon and its nearest relatives; the more distant the nearest relative, the higher the importance assigned. Hybridization is also considered; taxa which do not hybridize are given greater priority.



*Polemonium pectinatum*

## STATE STATUS

1

**Endangered** This status is assigned to each vascular plant taxon in danger of becoming extinct or extirpated in Washington within the near future if factors contributing to its decline continue. Populations of these taxa are at critically low levels or their habitats have been degraded or depleted to a significant degree.

2

**Threatened** A threatened vascular plant taxon likely to become endangered within the near future in Washington if factors contributing to its population decline or habitat degradation or loss continue.

3

**Sensitive** A vascular plant taxon is labelled sensitive when it is vulnerable or declining, and could become endangered or threatened in the state without active management or removal of threats.

4

**Possibly Extinct  
or Extirpated  
in Washington** Based on recent field searches a number of plant taxa are considered to be possibly extinct or extirpated in Washington (status of out-of-state populations were not considered). Taxa in this group are all high priorities for field investigation. If found, they will be assigned one of the above status categories.

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# MAIN LIST FORMAT

The main list is arranged by state status (Endangered, Threatened, Sensitive and Possibly Extinct or Extirpated). The following entries are included for each taxon:

<b>Scientific Name and Authority</b>	Taxa are arranged alphabetically by species name. Nomenclature generally follows that of Hitchcock and Cronquist (1973), <i>Flora of the Pacific Northwest</i> . Exceptions include plants for which there has been taxonomic revision more recently than 1973 and plants which were not previously known to occur within the Pacific Northwest. Additional information on these exceptions can be obtained from the Natural Heritage Program.
	Names preceded by * have an equivalent in Hitchcock and Cronquist (1973), <i>Flora of the Pacific Northwest</i> . These synonyms are listed in Appendix C: Synonyms.
<b>Common Name</b>	Each taxon has been given a common name. These largely follow those given in Hitchcock and Cronquist (1973), <i>Flora of the Pacific Northwest</i> . Because of the rarity of many of these plants, common names are not widely recognized and many are merely English translations of Latin or Greek roots used in the scientific name. Because of this lack of standardization and the fact that scientific names contain more information by indicating the relationships of the species, users of this list are encouraged to become familiar with the technical names.
<b>Family Name</b>	Certain plant families have two acceptable names (e.g., Brassicaceae = Cruciferae). The suffix -aceae format is used in this list.
<b>Federal Status</b>	Plants that are candidates on the 1985 Federal Register, Notice of Review, are marked with a "C". A dash (-) indicates no federal status.
<b>Distribution</b>	The distribution description is for Washington only. Plant taxa exhibit one of the following distribution patterns described on the adjacent page.

## Distribution Patterns

<i>Local endemic</i>	A taxon restricted to a very small geographical area (e.g., Mt. Rainier) or specialized habitats within a somewhat larger geographical area (e.g., serpentine outcrops in the Wenatchee Mts.)
<i>Regional endemic</i>	A taxon inhabiting a relatively large geographical area ranging from a mountain range (e.g., Olympic Mts.) to the Pacific Northwest (WA, OR, n. ID, n.w. MT, s. BC)
<i>Disjunct</i>	A taxon whose population(s) in Washington is widely separated from the main continuous populations (e.g., <i>Carex obtusata</i> , whose range is the Yukon south to the Rocky Mts. and east of the Continental Divide)
<i>Scattered</i>	A taxon sparsely or sporadically distributed across all or part of the state. This distribution may be the result of a specialized habitat or due to habitat loss. Usually the taxon is widely distributed outside of Washington (though not necessarily common)
<i>Peripheral</i>	A taxon approaching the geographical limits of its continuous range in Washington (e.g., <i>Centiana douglasiana</i> , which ranges from Alaska to the Olympic Peninsula)

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## County Abbreviations

Adams	AD	Grays Harbor	GH	Pierce	PI
Asotin	AS	Island	IS	San Juan	SJ
Benton	BE	Jefferson	JE	Skagit	SKT
Chelan	CH	King	KI	Skamania	SKA
Clallam	CL	Kitsap	KSP	Snohomish	SN
Clark	CK	Kittitas	KTS	Spokane	SP
Columbia	CO	Klickitat	KL	Stevens	ST
Cowlitz	CZ	Lewis	LE	Thurston	TH
Douglas	DO	Lincoln	LI	Wahkiakum	WAH
Ferry	FE	Mason	MA	Walla Walla	WW
Franklin	FR	Okanogan	OK	Whatcom	WHA
Garfield	GA	Pacific	PA	Whitman	WHI
Grant	GR	Pend Oreille	PO	Yakima	YA

County names or abbreviations in parentheses indicate that the taxon was historically collected in that county or that it has been reported from that county but its occurrence is unverified or questionable. In both cases, recent, verifiable information regarding the taxon's occurrence in the county in question is lacking.

# ENDANGERED WASHINGTON TAXA

Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Artemisia campestris</i> L. ssp. <i>borealis</i> Hall & Clem. var. <i>wormskiodii</i> (Bess.) Cronq.	wormwood, northern	Asteraceae	C	Regional endemic GR, KL
<i>Astragalus sinuatus</i> Piper	milk-vetch, Whited's	Fabaceae	C	Local endemic c. WA: CH
<i>Castilleja levisecta</i> Greenm.	Indian-paintbrush, golden	Scrophulariaceae	C	Regional endemic (CK), IS, (JE), (PI), SJ, SKT, TH
<i>Cypripedium calceolus</i> L. var. <i>parviflorum</i> (Salisb.) Fern.	lady's-slipper, yellow	Orchidaceae	-	Scattered OK, SP
<i>Delphinium leucophaeum</i> Greene	larkspur, pale	Ranunculaceae	C	Disjunct LE
<i>Delphinium viridescens</i> Leiberg	larkspur, Wenatchee	Ranunculaceae	C	Local endemic CH, KTS
<i>Hackelia venusta</i> (Piper) St. John	stickseed, showy	Boraginaceae	C	Local endemic CH
<i>Howellia aquatilis</i> Gray	howellia	Campanulaceae	C	Regional endemic CK, SP
<i>Liparis loeselii</i> (L.) L.C. Rich	twayblade	Orchidaceae	-	Disjunct KL, SJ
<i>Polemonium pectinatum</i> Greene	polemonium, Washington	Polemoniaceae	C	Regional endemic Columbia Basin: AD, LI, (SP), WHI
* <i>Rorippa columbiana</i> Suksd. ex Howell	yellowcress, persistentsepal	Brassicaceae	C	Scattered BE, GR, (KL), SKA

\* See Appendix C for synonym.

# THREATENED WASHINGTON TAXA

	Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
	<i>Allium dictuon</i> St. John	onion, Blue Mt.	Liliaceae	C	Local endemic Blue Mts.: CO
	<i>Aster jessicae</i> Piper	aster, Jessica's	Asteraceae	C	Local endemic s.e. WA: WHI
88	* <i>Astragalus australis</i> (L.) Lam. var. <i>olympicus</i> Isely	milk-vetch, Cotton's	Fabaceae	C	Local endemic Olympic Mts.: CL
21	<i>Astragalus columbianus</i> Barneby	milk-vetch, Columbia	Fabaceae	C	Local endemic s.c. WA: BE, KTS, YA
21	<i>Astragalus pulsiferae</i> Gray var. <i>suksdorffii</i> (Howell) Barneby	milk-vetch, Ames'	Fabaceae	C	Disjunct KL
21	<i>Calamagrostis crassiglumis</i> Thurb.	reedgrass, thickglume	Poaceae	C	Scattered CL, WHA
73	<i>Calochortus longebarbatus</i> S. Wats. var. <i>longebarbatus</i>	segolily, long-bearded	Liliaceae	C	Regional endemic s.c. WA: KL, YA
21	<i>Corydalis aquae-gelidae</i> Peck & Wilson	corydalis, Clackamas	Fumariaceae	C	Regional endemic s.w. WA : CK, SKA
21	<i>Cypripedium fasciculatum</i> Kell. ex S. Wats.	lady's-slipper, clustered	Orchidaceae	-	Scattered CH, CO, KL, KTS, SKA, WHI
9	<i>Eatonella nivea</i> (D.C. Eat.) Gray	eatonella	Asteraceae	-	Disjunct Columbia R.: GR
21	<i>Erigeron basalticus</i> Hoover	daisy, basalt	Asteraceae	C	Local endemic KTS, YA
	<i>Erigeron howellii</i> Gray	daisy, Howell's	Asteraceae	C	Local endemic Columbia R. : SKA
	<i>Eryngium petiolatum</i> Hook.	coyote-thistle, Oregon	Apiaceae	-	Regional endemic Columbia R.: KL
	<i>Haplopappus latiflormis</i> (Greene) St. John	goldenweed, Palouse	Asteraceae	C	Local endemic Palouse region, s.e. WA: (SP), WHI
	<i>Lobelia kalmii</i> L.	lobelia, Kalm's	Campanulaceae	-	Disjunct YA

\* See Appendix C for synonym.

# THREATENED WASHINGTON TAXA

Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Lomatium rollinsii</i> Math. & Const.	desert-parsley, Rollins'	Apiaceae	C	Regional endemic Snake R. canyon: AS
<i>Lomatium tuberosum</i> Hoover	desert-parsley, Hoover's	Apiaceae	C	Local endemic BE, GR, KTS, YA
<i>Lupinus sabinii</i> Dougl. ex Hook.	lupine, Sabin's	Fabaceae	-	Regional endemic foothills, Blue Mts.: WW
<i>Lupinus sulphureus</i> Dougl. var. <i>kincaidii</i> (Smith) Hitchc.	lupine, Kincaid's sulfur	Fabaceae	-	Disjunct LE
<i>Microseris bigelovii</i> (Gray) Schultz-Bip.	microseris, coast	Asteraceae	-	Scattered SJ
<i>Navarretia tagetina</i> Greene	navarretia, marigold	Polemoniaceae	-	Peripheral KL
<i>Ophioglossum vulgatum</i> L.	adder's-tongue	Ophioglossaceae	-	Scattered KL, KTS, MA, SJ
<i>Penstemon barrettiae</i> Gray	beardtongue, Barrett's	Scrophulariaceae	C	Local endemic KL
<i>Petrophytum cinerascens</i> (Piper) Rydb.	rockmat, Chelan	Rosaceae	C	Local endemic Columbia R.: CH, DO
<i>Phacelia lenta</i> Piper	phacelia, sticky	Hydrophyllaceae	C	Local endemic DO
* <i>Platanthera chorisiana</i> (Cham.) Reichenb.	bog-orchid, Choriso	Orchidaceae	-	Disjunct SN
* <i>Poa unilateralis</i> Scribn.	bluegrass, San Francisco	Poaceae	C	Regional endemic PA
<i>Ranunculus reconditus</i> Nels. & Macbr.	buttercup, obscure	Ranunculaceae	C	Local endemic KL

\* See Appendix C for synonym.

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Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Rubus nigerrimus</i> (Greene) Rydb.	raspberry, northwest	Rosaceae	C	Local endemic Snake R. canyon: GA, WHI
<i>Sidalcea hirtipes</i> C.L. Hitchc.	checker-mallow, hairy-stemmed	Malvaceae	-	Regional endemic CK, LE
<i>Sidalcea oregana</i> (Nutt.) Gray var. <i>calva</i> C.L. Hitchc.	checker-mallow, Oregon	Malvaceae	C	Local endemic Wenatchee Mts.: CH, (KTS)
<i>Silene seelyi</i> Morton & Thompson	silene, Seely's	Caryophyllaceae	C	Local endemic Wenatchee Mts.: CH, KTS
<i>Silene spaldingii</i> S. Wats.	silene, Spalding's	Caryophyllaceae	C	Regional endemic e. WA: AS, SP, WHI
<i>Sisyrinchium sarmentosum</i> Suksd. ex Greene	blue-eyed grass, pale	Iridaceae	C	Local endemic s.c. WA: KL, SKA
<i>Sullivantia oregana</i> S. Wats.	sullivantia, Oregon	Saxifragaceae	C	Local endemic Columbia R. Gorge: SKA
<i>Tauschia hooveri</i> Math. & Const.	tauschia, Hoover's	Apiaceae	C	Local endemic KTS, YA
<i>Trifolium thompsonii</i> Morton	clover, Thompson's	Fabaceae	C	Local endemic CH, DO

\* See Appendix C for synonym.

# SENSITIVE WASHINGTON TAXA

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Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Adiantum pedatum</i> L. ssp. <i>subpumilum</i> (Wagner in Wagner & Boydston) Lellinger	maiden-hair, dwarf	Polypodiaceae	-	Regional endemic CL, (JE)
<i>Agoseris elata</i> (Nutt.) Greene	agoseris, tall	Asteraceae	-	Scattered (CL), (IS), KTS, (KL), OK, PI, (TH), WHA, YA
<i>Agrostis borealis</i> Hartm.	bentgrass, northern	Poaceae	-	Peripheral OK
* <i>Allium constrictum</i> (Mingrone & Ownbey) Peterson, Annable, & Rieseberg	onion, constricted Douglas'	Liliaceae	C	Local endemic DO, GR
<i>Anemone nuttalliana</i> DC.	pasqueflower	Ranunculaceae	-	Disjunct Wenatchee Mts.: CH, KTS
<i>Antennaria corymbosa</i> E. Nels.	pussy-toes, meadow	Asteraceae	-	Peripheral PO
<i>Antennaria parvifolia</i> Nutt.	pussy-toes, Nuttall's	Asteraceae	-	Scattered (CH), SP, ST
<i>Arabis crucisetosa</i> Const. & Rollins	rockcress, cross-haired	Brassicaceae	-	Regional endemic Snake R. canyon: AS
<i>Aster curtus</i> Cronq.	aster, white-top	Asteraceae	C	Regional endemic (CK), IS, PI, TH, (SKA)
<i>Aster junciformis</i> Rydb.	aster, rush	Asteraceae	-	Disjunct PI, SJ
<i>Aster sibiricus</i> L. var. <i>meritus</i> (A. Nels.) Raup.	aster, arctic	Asteraceae	-	Scattered CO, JE, SJ, WHA
<i>Astragalus arrectus</i> Gray	milk-vetch, Palouse	Fabaceae	-	Regional endemic Columbia Basin: (CH), (GR), (KTS), KL, LI, WHI
<i>Astragalus arthuri</i> M.E. Jones	milk-vetch, Arthur's	Fabaceae	-	Regional endemic AS

\* See Appendix C for synonym.

	Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
2	<i>Astragalus cusickii</i> Gray var. <i>cusickii</i>	milk-vetch, Cusick's	Fabaceae	-	Regional endemic Grand Ronde area: AS
3	<i>Astragalus geyeri</i> Gray	milk-vetch, Geyer's	Fabaceae	-	Disjunct GR
4	<i>Astragalus microcystis</i> Gray	milk-vetch, least bladdery	Fabaceae	-	Scattered Olympic Mts. & n.e.WA: CL, JE, LI, PO, (ST)
5	<i>Astragalus misellus</i> S. Wats. var. <i>pauper</i> Barneby	milk-vetch, pauper	Fabaceae	C	Regional endemic c. & s. WA: (BE), DO, (FR), KTS, KL, YA
6	<i>Astragalus riparius</i> Barneby	milk-vetch, Piper's	Fabaceae	-	Regional endemic Snake R.: GA, WHI
7	<i>Bolandra oregana</i> S. Wats.	bolandra	Saxifragaceae	-	Scattered Columbia R. Gorge & Snake R.: (AS), (CK), (KL), SKA
8	<i>Botrychium lanceolatum</i> (Gmel.) Angstr.	grape-fern, lance-leaved	Ophioglossaceae	-	Scattered FE, GH, JE, LE, PO, PI, SKA, SN, (WHA)
9	<i>Botrychium lunaria</i> (L.) Swartz	moonwort	Ophioglossaceae	-	Peripheral CL, FE, LE, OK, SKA, WHA
10	<i>Botrychium minganense</i> Vict.	grape-fern, Victorin's	Ophioglossaceae	-	Scattered CH, CL, JE, (OK) ST, (WHA)
11	<i>Botrychium montanum</i> W.H. Wagner	moonwort, mountain	Ophioglossaceae	-	Scattered CH, SN
12	<i>Botrychium pinnatum</i> St. John	moonwort, St. John's	Ophioglossaceae	-	Scattered CH, CL, JE, LE, OK, PO, PI, SKA, SN, WHA, (YA)
13	<i>Botrychium simplex</i> E. Hitchc.	grape-fern, little	Ophioglossaceae	-	Scattered CH, GH, (JE), (MA), (SP), (YA)

\* See Appendix C for synonym.

# SENSITIVE WASHINGTON TAXA

	Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
3	<i>Campanula lasiocarpa</i> Cham.	harebell, Alaska	Campanulaceae	-	Peripheral KI, SN
3	<i>Carex aenea</i> Fern.	sedge, bronze	Cyperaceae	-	Peripheral PO
0	<i>Carex anthoxantha</i> Presl.	sedge, yellow-flowered	Cyperaceae	-	Disjunct Olympic Mts.: GH
0	<i>Carex atrata</i> L. var. <i>atrosquama</i> (Mack.) Cronq.	sedge, blackened	Cyperaceae	-	Peripheral OK
0	<i>Carex atrata</i> L. var. <i>erecta</i> Boott	sedge, erect blackened	Cyperaceae	-	Disjunct WHA, (YA)
7	<i>Carex buxbaumii</i> Wahl.	sedge, Buxbaum's	Cyperaceae	-	Scattered CH, CL, GH, (KTS), MA, PO, ST, WHA
7	<i>Carex circinata</i> C.A. Meyer	sedge, coiled	Cyperaceae	-	Peripheral Olympic Mts.: GH, (MA)
7	<i>Carex comosa</i> Boott	sedge, bristly	Cyperaceae	-	Scattered CH, (KI), (KTS), PI, SKT, SN, (SP), TH, (WW), WHA
2	<i>Carex densa</i> (L.H. Bailey) L.H. Bailey	sedge, dense	Cyperaceae	-	Peripheral BE, WAH, (YA)
1	<i>Carex flava</i> L.	sedge, yellow	Cyperaceae	-	Peripheral LI, PO, ST
9	<i>Carex hystericina</i> Muhl. ex Willd.	sedge, porcupine	Cyperaceae	-	Scattered (AS), DO, KL, OK, (ST), WHI, YA
2	<i>Carex interrupta</i> Boeck.	sedge, green-fruited	Cyperaceae	-	Scattered CH, CL, GH, KL, LE, MA, PA, SKA, TH
6	<i>Carex macrochaeta</i> C.A. Meyer	sedge, large-awn	Cyperaceae	-	Scattered (GH), SKA, WHA

\* See Appendix C for synonym.

	Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
1	<i>Carex norvegica</i> Retz.	sedge, Scandinavian	Cyperaceae	-	Peripheral OK
2	<i>Carex obtusata</i> Lilj.	sedge, blunt	Cyperaceae	-	Disjunct Olympic Mts.: CL, JE
3	<i>Carex pauciflora</i> Light.	sedge, few-flowered	Cyperaceae	-	Peripheral CL, JE, KI, MA, SJ, SN, (WHA)
4	<i>Carex paupercula</i> Michx.	sedge, poor	Cyperaceae	-	Peripheral OK, PO, ST, WHA
5	<i>Carex pluriflora</i> Hulten	sedge, several-flowered	Cyperaceae	-	Peripheral CL
6	<i>Carex proposita</i> Mack.	sedge, Smoky Mtn.	Cyperaceae	-	Disjunct CH
7	<i>Carex saxatilis</i> L. var. <i>major</i> Olney	sedge, russet	Cyperaceae	-	Peripheral CH, CL, OK, WHA
8	<i>Carex scirpoidea</i> Michx. var. <i>scirpoidea</i>	sedge, Canadian single-spike	Cyperaceae	-	Peripheral OK, WHA
9	* <i>Carex scopulorum</i> Holm var. <i>prionophylla</i> (Holm) L.A. Standley	sedge, saw-leaved	Cyperaceae	-	Peripheral CH, (LE), OK, PO, (SP)
10	<i>Carex stenophylla</i> Wahl.	sedge, narrow-leaved	Cyperaceae	-	Disjunct OK
11	<i>Carex stylosa</i> C.A. Meyer	sedge, long-styled	Cyperaceae	-	Peripheral Olympic Peninsula: (CL), (JE), SN
12	<i>Carex sychnocephala</i> Carey	sedge, many-headed	Cyperaceae	-	Peripheral OK, PO
13	<i>Cassiope lycopodioides</i> (Pall) D. Don ssp. <i>cristapilosa</i> Calder & Taylor	cassiope, clubmoss	Ericaceae	-	Disjunct KI
14	<i>Castilleja cryptantha</i> Pennell & G. N. Jones	Indian-paintbrush, obscure	Scrophulariaceae	C	Local endemic Mt. Rainier: PI, YA
15	<i>Chaenactis thompsonii</i> Cronq.	chaenactis, Thompson's	Asteraceae	-	Local endemic Wenatchee Mts.: CH, KTS, PI

\* See Appendix C for synonym.

# SENSITIVE WASHINGTON TAXA

	Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
10	<i>Cheilanthes feei</i> Moore	lip-fern, Fee's	Polypodiaceae	-	Peripheral WHI
10	* <i>Chrysolepis chrysophylla</i> (Dougl.) Hjelmqvist	chinquapin, golden	Fagaceae	-	Peripheral & disjunct MA, SKA
10	<i>Chrysosplenium tetrandrum</i> (Lund) Fries	golden-carpet, northern	Saxifragaceae	-	Peripheral OK
10	<i>Cicuta bulbifera</i> L.	water-hemlock, bulb-bearing	Apiaceae	-	Scattered CH, IS, PO, ST, WHA
10	<i>Cimicifuga elata</i> Nutt. in T. & G.	bugbane, tall	Ranunculaceae	-	Scattered CL, CK, (CZ), (GH), KI, LE, (PI), SKA, TH
10	<i>Claytonia lanceolata</i> Pursh var. <i>pacifica</i> McNeill	springbeauty, Pacific lanceleaved	Portulacaceae		Regional endemic Olympic Mts.
10	<i>Cochlearia officinalis</i> L.	scurvygrass	Brassicaceae	-	Peripheral CL, (GH), JE, MA
10	<i>Collinsia sparsiflora</i> Fisch. & Mey. var. <i>bruciae</i> (Jones) Newsom	collinsia, few-flowered	Scrophulariaceae	-	Peripheral KL, (SKA)
10	<i>Coptis asplenifolia</i> Salisb.	goldthread, spleenwort-leaved	Ranunculaceae	-	Peripheral CL, JE, SN
10	<i>Cryptantha interrupta</i> (Greene) Pays.	cryptantha, bristly	Boraginaceae	-	Scattered (AD), CH, FR, GR, KL, OK, SP
10	<i>Cryptantha leucophaea</i> (Dougl.) Pays.	cryptantha, gray	Boraginaceae	-	Scattered w. Columbia Basin: BE, DO, FR, GR, KTS, WW, YA
10	<i>Cryptantha rostellata</i> Greene	cryptantha, beaked	Boraginaceae	-	Peripheral KL, (WW), (YA)
10	<i>Cryptogramma stelleri</i> (S.G. Gmel.) Prantl	rockbrake, Steller's	Polypodiaceae	-	Peripheral CH, OK, PO
10	<i>Cyperus rivularis</i> Kunth	flatsedge, shining	Cyperaceae	-	Peripheral (AS), BE, KL, (WHI), YA

\* See Appendix C for synonym.

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Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Dodecatheon pulchellum</i> (Raf.) Merrill var. <i>watsonii</i> (Tidestrom) C.L. Hitchc.	shooting star, few-flowered	Primulaceae	-	Peripheral OK, SN
<i>Draba aurea</i> Vahl in Hornem.	draba, golden	Brassicaceae	-	Peripheral OK, WHA
* <i>Draba cana</i> Rydb.	draba, lance-leaved	Brassicaceae	-	Peripheral CL, OK
<i>Draba douglasii</i> Gray var. <i>douglasii</i>	draba, Douglas'	Brassicaceae	-	Peripheral KL
<i>Draba longipes</i> Raup	draba, long-stalked	Brassicaceae	-	Disjunct Olympic Mtns.: CL
<i>Dryas drummondii</i> Richards. ex Hook.	mountain-avens, yellow	Rosaceae	-	Peripheral PO, SN
<i>Dryopteris cristata</i> (L.) Gray	shield-fern, crested	Polypodiaceae	-	Peripheral PO
<i>Eleocharis rostellata</i> (Torr.) Torr.	spike-rush, beaked	Cyperaceae	-	Scattered GR, (OK), YA
<i>Epipactis gigantea</i> Dougl. ex Hook.	helleborine, giant	Orchidaceae	-	Scattered CH, CL, CK, (DO), GR, KL, (LE), (SI), SKA, SP, WAH, (WHI), YA
<i>Erigeron acris</i> L. var. <i>elatus</i> (Hook.) Cronq.	fleabane, tall bitter	Asteraceae	-	Peripheral OK
<i>Erigeron aliceae</i> Howell	fleabane, Alice's	Asteraceae	-	Disjunct Olympic Mts.: (CL), (GH), JE
<i>Erigeron humilis</i> Graham	daisy, arctic-alpine	Asteraceae	-	Peripheral OK
<i>Erigeron oreganus</i> Gray	daisy, gorge	Asteraceae	-	Local endemic Columbia R. Gorge: SKA
<i>Erigeron peregrinus</i> (Pursh) Greene ssp. <i>peregrinus</i> var. <i>thompsonii</i> (Blake) Cronq.	daisy, Thompson's wandering	Asteraceae	-	Local endemic GH

\* See Appendix C for synonym.

# SENSITIVE WASHINGTON TAXA

Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Erigeron piperianus</i> Cronq.	daisy, Piper's	Asteraceae	-	Regional endemic Col. Basin: AD, BE, FR, GR, KTS, KL, YA
<i>Eriophorum viridicarinatum</i> (Engelm.) Fern.	cotton-grass, green keeled	Cyperaceae	-	Peripheral OK, PO
<i>Eritrichium nanum</i> (Vill.) Schrad. var. <i>elongatum</i> (Rydb.) Cronq.	alpine-forget-me-not, pale	Boraginaceae	-	Disjunct CH, OK
<i>Erythronium revolutum</i> Sm. in Rees	fawn lily, pink	Liliaceae	-	Scattered CL, GH, JE, LE, PA, (PI), (SKT), (TH), WAH
<i>Filipendula occidentalis</i> (S. Wats.) Howell	queen-of-the-forest	Rosaceae	-	Regional endemic PA
<i>Fritillaria camschatcensis</i> (L.) Ker-Gawl	lily, black (Indian rice)	Liliaceae	-	Peripheral IS, (SJ), SN, WHA
<i>Galium kamtschaticum</i> Steller ex J.A. & J.H. Schultes	bedstraw, boreal	Rubiaceae	-	Disjunct (CH), GH, (KI)
<i>Gaultheria hispida</i> (L.) Muhl.	snowberry, creeping	Ericaceae	-	Peripheral PO
<i>Gentiana douglasiana</i> Bong.	gentian, swamp	Gentianaceae	-	Peripheral CL, KI
<i>Gentiana glauca</i> Pall.	gentian, glaucous	Gentianaceae	-	Peripheral N. Cascades: OK, WHA
<i>Gentiana tenella</i> Rottb.	gentian, slender	Gentianaceae	-	Peripheral OK
<i>Geum rivale</i> L.	avens, water (purple)	Rosaceae	-	Peripheral (OK), PO, ST
<i>Geum rossii</i> (R. Br.) Ser. in DC. var. <i>depressum</i> (Greene) C.L. Hitchc.	avens, Ross'	Rosaceae	-	Local endemic Wenatchee Mts.: CH

\* See Appendix C for synonym.

	Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
	<i>Githopsis specularioides</i> Nutt.	blue-cup, common	Campanulaceae	-	Scattered CH, KL, LE, (PI), (SJ), TH, (WHI)
	<i>Hackelia cinerea</i> (Piper) Johnst.	stickseed, gray	Boraginaceae	-	Peripheral SP
	<i>Hackelia diffusa</i> (Dougl. ex Lehm.) Johnst. var. <i>diffusa</i>	stickseed, diffuse	Boraginaceae	-	Scattered KL, SKA
83	<i>Hackelia hispida</i> (Gray) Johnst. var. <i>disjuncta</i> Carr	stickseed, sagebrush	Boraginaceae	-	Local endemic (CH), DO, GR, (KTS)
23	<i>Heuchera grossularifolia</i> Rydb. var. <i>tenuifolia</i> (Wheelock) C.L. Hitchc.	alumroot, gooseberry-leaved	Saxifragaceae	-	Scattered Columbia R. Gorge: KL
20	<i>Iliamna longisepala</i> (Torr.) Wiggins	globemallow, longsepal	Malvaceae	-	Regional endemic c. WA: CH, DO, KTS
27	<i>Isoetes nuttallii</i> A. Br. ex Engelm.	quillwort, Nuttall's	Isoetaceae	-	Scattered CZ, KL, (LI), SJ, TH
23	<i>Juncus kelloggii</i> Engelm.	rush, Kellogg's	Juncaceae	-	Peripheral KL
21	<i>Lepidium oxycarpum</i> T. & G.	peppergrass, sharpfruited	Brassicaceae	-	Disjunct SJ
29	<i>Limosella acaulis</i> Ses. & Moc.	mudwort, southern	Scrophulariaceae	-	Disjunct BE, CH, WAH, WHA
	<i>Linanthus bakeri</i> Mason	linanthus, Baker's	Polemoniaceae	-	Peripheral KL
	<i>Lindernia anagallidea</i> (Michx.) Pennell	false-pimpernel	Scrophulariaceae	-	Scattered BE, CK, (KL), MA
	<i>Listera borealis</i> Morong	twayblade, northern	Orchidaceae	-	Peripheral FE, OK
	<i>Lobelia dortmanna</i> L.	lobelia, water	Campanulaceae	-	Scattered CL, KI, SKT, SN, WHA
	<i>Loiseleuria procumbens</i> (L.) Desv.	azalea, alpine	Ericaceae	-	Disjunct CH, SKT

\* See Appendix C for synonym.

# SENSITIVE WASHINGTON TAXA

	Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
6	<i>Lomatium laevigatum</i> (Nutt.) Coulter & Rose	desert-parsley, smooth	Apiaceae	C	Local endemic KL
3	<i>Lomatium quintuplex</i> Schlessm. & Const.	desert-parsley, Umtanum	Apiaceae	-	Local endemic KTS, YA
3	<i>Lomatium serpentinum</i> (M.E. Jones) Math.	desert-parsley, Snake Canyon	Apiaceae	-	Regional endemic AS, CO, GR, [WW], WHI
9	<i>Lomatium suksdorfii</i> (S. Wats.) Coulter & Rose	desert-parsley, Suksdorf's	Apiaceae	C	Local endemic KL
3	* <i>Lupinus cusickii</i> S. Wats.	lupine, prairie	Fabaceae	C	Regional endemic (AS), CO, (GA), (LI), (WW)
0	<i>Luzula arcuata</i> (Wahlenb.) Wahlenb.	woodrush, curved	Juncaceae	-	Disjunct (PI), YA
7	<i>Lycopodium dendroideum</i> Michx.	clubmoss, treelike	Lycopodiaceae	-	Peripheral PO, SKT, (SKA), WHA
2	<i>Lycopodium inundatum</i> L.	clubmoss, bog	Lycopodiaceae	-	Scattered CL, (KI), KSP, PA, PI, SKA, (TH), WHA
1	<i>Machaerocarpus californicus</i> (Torr. ex Benth.) Small	waterplantain, fringed	Alismataceae	-	Peripheral KL
9	<i>Meconella oregana</i> Nutt. in T. & G.	meconella, white	Papaveraceae	-	Scattered IS, KL, (LE), (SJ)
2	* <i>Microseris borealis</i> (Bong.) Schultz-Bip.	microseris, northern	Asteraceae	-	Scattered CL, (PI), SKA
1	<i>Mimulus puliferae</i> Gray	monkey-flower, Pulsifer's	Scrophulariaceae	-	Scattered KL, OK, (WW), (WHI), (YA)
9	<i>Mimulus suksdorffii</i> Gray	monkey-flower, Suksdorf's	Scrophulariaceae	-	Peripheral CH, GR, (KL), (YA)
2	<i>Montia diffusa</i> (Nutt.) Greene	montia, branching	Portulacaceae	-	Scattered CL, (CK), (GH), KL, (LE), (PI), SKA, SN

\* See Appendix C for synonym.

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Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Muhlenbergia glomerata</i> (Willd.) Trin.	muhly, marsh	Poaceae	-	Peripheral PO, (SP)
<i>Nicotiana attenuata</i> Torr.	tobacco, coyote	Solanaceae	-	Scattered (CH), DO, FR, GR, (KTS), KL, YA
<i>Oenothera pygmaea</i> Dougl. ex Lehm. in Hook.	evening-primrose, dwarf	Onagraceae	-	Scattered DO, FR, GR
<i>Orobanche pinorum</i> Geyer	broomrape, pine	Orobanchaceae	-	Scattered CH, CL, CO, KTS, KL, LE, (PO) SKA
<i>Orthocarpus bracteosus</i> Benth.	owl-clover, rosy	Scrophulariaceae	-	Scattered KL, (LI), (SJ), (WHA)
<i>Oryzopsis hendersonii</i> Vasey	ricegrass, Henderson's	Poaceae	-	Regional endemic KTS, YA
<i>Oxalis suksdorfii</i> Trel.	oxalis, western yellow	Oxalidaceae	-	Scattered CL, (CK), (KSP), (KL)
<i>Oxytropis campestris</i> (L.) DC. var. <i>columbiana</i> (St. John) Barneby	crazyweed, Columbia	Fabaceae	-	Regional endemic (FE), ST
<i>Oxytropis viscida</i> Nutt. in T. & G.	crazyweed, sticky	Fabaceae	-	Disjunct CL
<i>Parnassia fimbriata</i> Konig. var. <i>hoodiana</i> C.L. Hitchc.	grass-of-Parnassus, fringed	Saxifragaceae	-	Regional endemic SKA
<i>Parnassia kotzebuei</i> Cham. ex Spreng.	grass-of-Parnassus, Kotzebue's	Saxifragaceae	-	Disjunct OK
<i>Parnassia palustris</i> L. var. <i>neogaea</i> Fern.	grass-of-Parnassus, northern	Saxifragaceae	-	Disjunct GH, (JE), (MA)
<i>Pectocarya setosa</i> Gray	combseed, bristly	Boraginaceae	-	Peripheral (CH), GR, YA
<i>Pedicularis rainierensis</i> Pennell & Warren	lousewort, Mt. Rainier	Scrophulariaceae	-	Local endemic Mt. Rainier area: LE, PI, YA
<i>Pellaea brachyptera</i> (Moore) Baker	cliffbrake, Sierra	Polypodiaceae	-	Disjunct CH

\* See Appendix C for synonym.

# SENSITIVE WASHINGTON TAXA

Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Pellaea breweri</i> D.C. Eat.	cliff-brake, Brewer's	Polypodiaceae	-	Disjunct CH, KTS, JE
<i>Penstemon deustus</i> Doug. ex Lindl. var. <i>variabilis</i> (Suksd.) Cronq.	penstemon, hot-rock	Scrophulariaceae	-	Regional endemic KL
<i>Phacelia franklinii</i> (R. Br.) Gray	phacelia, Franklin's	Hydrophyllaceae	-	Peripheral FE, OK
<i>Physaria didymocarpa</i> (Hook.) Gray var. <i>didymocarpa</i>	twinpod, common	Brassicaceae	-	Peripheral CO, (ST)
<i>Plantago macrocarpa</i> Cham. & Schlecht.	plantain, Alaska	Plantaginaceae	-	Peripheral Olympic Peninsula: CL, GH, JE
* <i>Platanthera obtusata</i> (Banks ex. Pursh) Lindl.	bog-orchid, small northern	Orchidaceae	-	Peripheral KI, OK
* <i>Platanthera sparsiflora</i> (S. Wats.) Schlechter	bog-orchid, canyon	Orchidaceae	-	Disjunct (CH), SKA
<i>Pleuricospora fimbriolata</i> Gray	pinesap, fringed	Ericaceae	-	Scattered w. WA: (CL), CZ, (KSP), KI, KL, LE SKA, (WHA), YA
<i>Poa gracillima</i> Vasey var. <i>multnomae</i> (Piper) C.L. Hitchc.	bluegrass, Pacific	Poaceae	-	Regional endemic (KL), SKA, (YA)
<i>Poa grayana</i> Vasey	bluegrass, Gray's	Poaceae	-	Peripheral JE, OK, WHA
<i>Poa laxiflora</i> Buckley	bluegrass, loose-flowered	Poaceae	-	Peripheral (CL), PA
<i>Poa nervosa</i> (Hook.) Vasey var. <i>nervosa</i>	bluegrass, Wheeler's	Poaceae	-	Regional endemic CK, CZ, (KTS), (PO)
<i>Polemonium carneum</i> Gray	polemonium, great	Polemoniaceae	-	Scattered w. Cascade lowlands: (CL), (CK), (GH), (LE), PA, SKA
<i>Polemonium viscosum</i> Nutt.	polemonium, skunk	Polemoniaceae	-	Peripheral OK

\* See Appendix C for synonym.

	Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
	<i>Polygonum austiniæ</i> Greene	knotweed, Austin's	Polygonaceae	-	Disjunct GR
	<i>Polystichum californicum</i> (D.C. Eat.) Diels	sword-fern, California	Polypodiaceae	-	Scattered PI, TH
	<i>Potamogeton obtusifolius</i> Mert. & Koch	pondweed, blunt-leaved	Potamogetonaceae	-	Disjunct MA, SKT
	<i>Potentilla breweri</i> S. Wats.	cinquefoil, Brewer's	Rosaceae	-	Disjunct YA
2	<i>Potentilla diversifolia</i> Lehm. var. <i>perdissecta</i> (Rydb.) C.L. Hitchc.	cinquefoil, diverse-leaved	Rosaceae	-	Scattered OK
3	<i>Potentilla nivea</i> L.	cinquefoil, snow	Rosaceae	-	Peripheral OK
4	<i>Potentilla quinquefolia</i> Rydb.	cinquefoil, five-leaved	Rosaceae	-	Peripheral OK
5	<i>Puccinellia nutkaensis</i> (Presl) Fern. & Weath.	alkaligrass, Alaska	Poaceae	-	Peripheral IS, (JE), (KSP), (SJ), (SKT), (TH), WHA
6	<i>Ranunculus cooleyae</i> Vasey & Rose	buttercup, Cooley's	Ranunculaceae	-	Disjunct GH, SN
7	<i>Ranunculus longirostris</i> Godr.	water-buttercup, long-beaked	Ranunculaceae	-	Peripheral PO
8	<i>Ribes cereum</i> Dougl. var. <i>colubrinum</i> C.L. Hitchc.	currant, squaw	Grossulariaceae	-	Regional endemic AS
9	* <i>Ribes oxyacanthoides</i> L. ssp. <i>cognatum</i> (Greene) Sinnott	gooseberry, Umatilla	Grossulariaceae	-	Regional endemic e. WA: CO, FE, OK, PO, SP, WW, (WHI)
10	* <i>Ribes oxyacanthoides</i> L. ssp. <i>irriguum</i> (Dougl.) Sinnott	gooseberry, Idaho	Grossulariaceae	-	Scattered AS, (CK), FE, (SP), (ST), (WHI)
11	<i>Rubus acaulis</i> Michx.	nagoonberry	Rosaceae	-	Peripheral OK

\* See Appendix C for synonym.

# SENSITIVE WASHINGTON TAXA

Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Salix candida</i> Fluegge ex Willd.	willow, hoary	Salicaceae	-	Peripheral PO
<i>Salix maccalliana</i> Rowlee	willow, MacCall's	Salicaceae	-	Peripheral PO
<i>Salix sessilifolia</i> Nutt.	willow, soft-leaved	Salicaceae	-	Regional endemic CZ, SKT, WHA
<i>Salix tweedyi</i> (Bebb) Ball	willow, Tweedy's	Salicaceae	-	Peripheral OK
<i>Samolus parviflorus</i> Raf.	water-pimpernel	Primulaceae	-	Disjunct WAH
<i>Sanguisorba menziesii</i> Rydb.	burnet, Menzies'	Rosaceae	-	Peripheral Olympic Peninsula: CL, GH
<i>Sanicula arctopoides</i> H. & A.	sanicle, bear's-foot	Apiaceae	-	Scattered WA coast: (GH), PA
<i>Sanicula marilandica</i> L.	snake-root, black	Apiaceae	-	Peripheral OK, PO, ST
<i>Saxifraga cernua</i> L.	saxifrage, nodding	Saxifragaceae	-	Peripheral OK
<i>Saxifraga debilis</i> Engelm.	saxifrage, pygmy	Saxifragaceae	-	Scattered Olympics & Cascades: CH, CL, JE, OK, (PI), (SKT), SN, WHA
<i>Saxifraga integrifolia</i> Hook. var. <i>apetala</i> (Piper) M.E. Jones	saxifrage, swamp	Saxifragaceae	-	Regional endemic CH, KTS, OK, WHA, YA
<i>Sisyrinchium</i> <i>septentrionale</i> E.P. Bicknell	blue-eyed grass	Iridaceae	-	Peripheral (FE), OK, PO, ST
<i>Spartina pectinata</i> Link.	cordgrass, prairie	Poaceae	-	Peripheral PO, WHI
<i>Spiraea densiflora</i> Nutt. var. <i>splendens</i> (Baumann) C.L. Hitchc.	spiraea, subalpine	Rosaceae	-	Peripheral CO

\* See Appendix C for synonym.

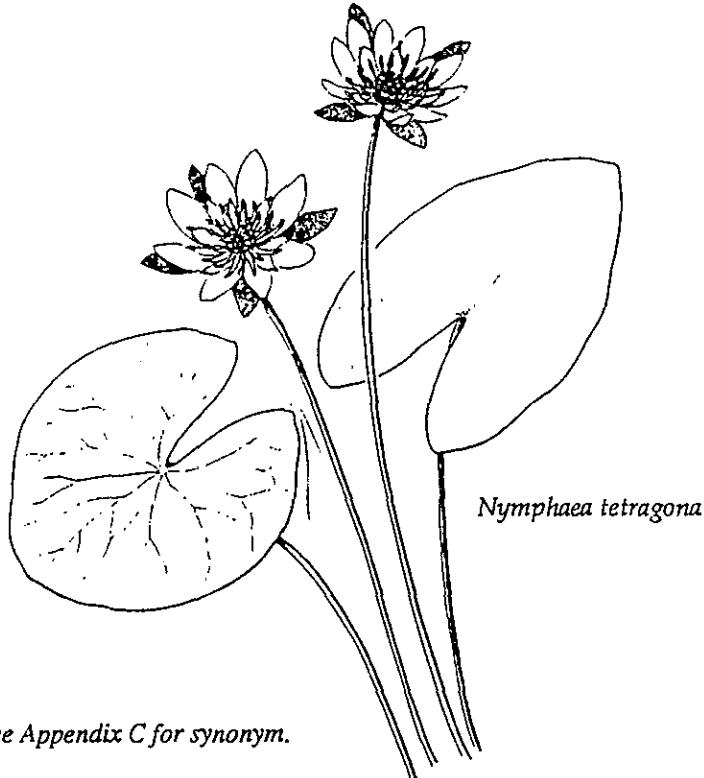
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Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Spiranthes romanzoffiana</i> Cham. var. <i>porrifolia</i> (Lindl.) Ames & Correll	ladies-tresses, western	Orchidaceae	-	Disjunct CH, KL
<i>Synthyris pinnatifida</i> S. Wats. var. <i>lanuginosa</i> (Piper) Cronq.	synthyris, cut-leaf	Scrophulariaceae	-	Local endemic Olympic Mts.: CL, JE
* <i>Teucrium canadense</i> L. ssp. <i>viscidum</i> (Piper) Taylor & MacBryde	woodsage	Lamiaceae	-	Peripheral DO, GR, OK, SP, ST
<i>Thalictrum dasycarpum</i> Fisch. & Ave-Lall.	meadowrue, purple	Ranunculaceae	-	Peripheral PO
<i>Tillaea aquatica</i> L.	pygmy-weed	Crassulaceae	-	Scattered CL, CK, KL, PO, SKA, WAH, YA
<i>Tillaea erecta</i> Hook. & Arn.	pygmy-weed, erect	Crassulaceae	-	Disjunct SJ
<i>Trifolium douglasii</i> House	clover, Douglas'	Fabaceae	-	Regional endemic (SP), (WHI)
<i>Trifolium plumbosum</i> Doug. ex Hook. var. <i>plumbosum</i>	clover, plumed	Fabaceae	-	Regional endemic WW
<i>Trillium parviflorum</i> Soukup	trillium, small-flowered	Liliaceae	-	Scattered CK, LE, PI, TH
<i>Utricularia intermedia</i> Hayne in Schrad.	bladderwort, flat-leaved	Lentibulariaceae	-	Scattered CL, (KL), SN
<i>Vaccinium myrtilloides</i> Michx.	blueberry	Ericaceae	-	Peripheral OK
<i>Veratrum insolitum</i> Jeps.	false-hellebore, Siskiyou	Liliaceae	-	Disjunct KL
<i>Woodwardia fimbriata</i> Sm. in Rees	chain-fern	Polypodiaceae	-	Scattered Puget Trough: JE, KSP, MA, PI, TH

\* See Appendix C for synonym.

# TAXA POSSIBLY EXTINCT OR EXTIRPATED

Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
* <i>Abronia umbellata</i> Lam. ssp. <i>acutalata</i> (Standl.) Tillett	sandverbena, pink	Nyctaginaceae	C	Scattered coastal: (CL), (KSP)
<i>Arenaria paludicola</i> Robins.	sandwort, swamp	Caryophyllaceae	C	Scattered (GH), (KI), (PA), (PI)
<i>Astragalus diaphanus</i> Dougl. ex Hook.	milk-vetch, transparent	Fabaceae	C	Regional endemic (KL)
<i>Astragalus kentrophyta</i> Gray var. <i>douglasii</i> Barneby	milk-vetch, thistle	Fabaceae	C	Local endemic (WW)
<i>Calochortus nitidus</i> Dougl.	mariposa, broad-fruit	Liliaceae	C	Regional endemic s.e. WA
<i>Eleocharis atropurpurea</i> (Retz.) Kunth	spike-rush, purple	Cyperaceae	-	Disjunct (CH)
<i>Eriogonum maculatum</i> Heller	buckwheat, spotted	Polygonaceae	-	Disjunct (YA)
<i>Hackelia hispida</i> (Gray) Johnst. var. <i>hispida</i>	stickseed, rough	Boraginaceae	-	Regional endemic extreme s.e. WA



\* See Appendix C for synonym.

Scientific Name	Common Name	Family Name	Federal Status	Washington Distribution
<i>Juncus hemiendytus</i> F.J. Hermann var. <i>hemiendytus</i>	rush, dwarf	Juncaceae	-	Peripheral (KL)
<i>Lathyrus torreyi</i> Gray	peavine, Torrey's	Fabaceae	-	Scattered (CK), (PI)
<i>Lomatium cusickii</i> (S. Wats.) Coulter & Rose	desert-parsley, Cusick's	Apiaceae	-	Peripheral (AS)
<i>Mimulus</i> <i>jungermannoides</i> Suksd.	monkey-flower, liverwort	Scrophulariaceae	-	Regional endemic (KL)
<i>Nymphaea tetragona</i> Georgi	water-lily, pygmy	Nymphaeaceae	-	Disjunct (PO), (WHA)
<i>Oenothera flava</i> (A. Nels.) Garrett	evening-primrose, long-tubed	Onagraceae	-	Disjunct (YA)
<i>Salix vestita</i> Pursh var. <i>erecta</i> Anderss.	willow, rock	Salicaceae	-	Disjunct (CH)
<i>Sidalcea malviflora</i> (DC.) Gray ex Benth. ssp. <i>virgata</i> (Howell) C.L. Hitchc.	checker-mallow, rose	Malvaceae	-	Disjunct (TH)
* <i>Tauschia tenuissima</i> (Geyer ex Hook.) Math. & Const.	tauschia, Leiberg's	Apiaceae	-	Regional endemic (SP)
<i>Viola renifolia</i> Gray	violet, kidney-leaved	Violaceae	-	Peripheral (SP)

\* See Appendix C for synonym.

# Chapter Two: Monitor List

The monitor list of species of potential concern consists of three groups. The groups are described below and listed on the following pages.

<b>Group</b>	<b>Description</b>
1	Taxa requiring further field investigation
2	Taxa with unresolved taxonomic problems
3	Taxa which are more abundant and/or less threatened in Washington than previously assumed

Information will be collected on taxa in group 1 to determine whether they warrant placement on the main list. The taxa in groups 2 and 3 will be assessed periodically to monitor changes in population size, threats to habitat or changes in taxonomic status. Collection of information by the Washington Natural Heritage Program on these plant taxa will be incidental to that on the main list.

## **MONITOR LIST**

**GROUP 1**

*Taxa in need of further field work before a status can be assigned.*

- Arenaria nuttallii* var. *franckii*  
*Balsamorhiza deltoidea*  
*Corydalis aurea*  
*Cuscuta denticulata*  
*Dryopteris carthusiana*  
*Hypericum majus*  
*Juncus uncialis*  
*Mimulus clivicola*  
*Mimulus cusickii*  
*Mimulus washingtonensis*  
*Montia howellii*  
*Penstemon wilcoxii*  
*Phacelia minutissima*  
*Phacelia tetramera*  
*Ranunculus californicus*  
*Saxifraga tischii*  
*Sparganium fluctuans*  
*Utricularia minor*  
*Zigadenus elegans*

**GROUP 2**

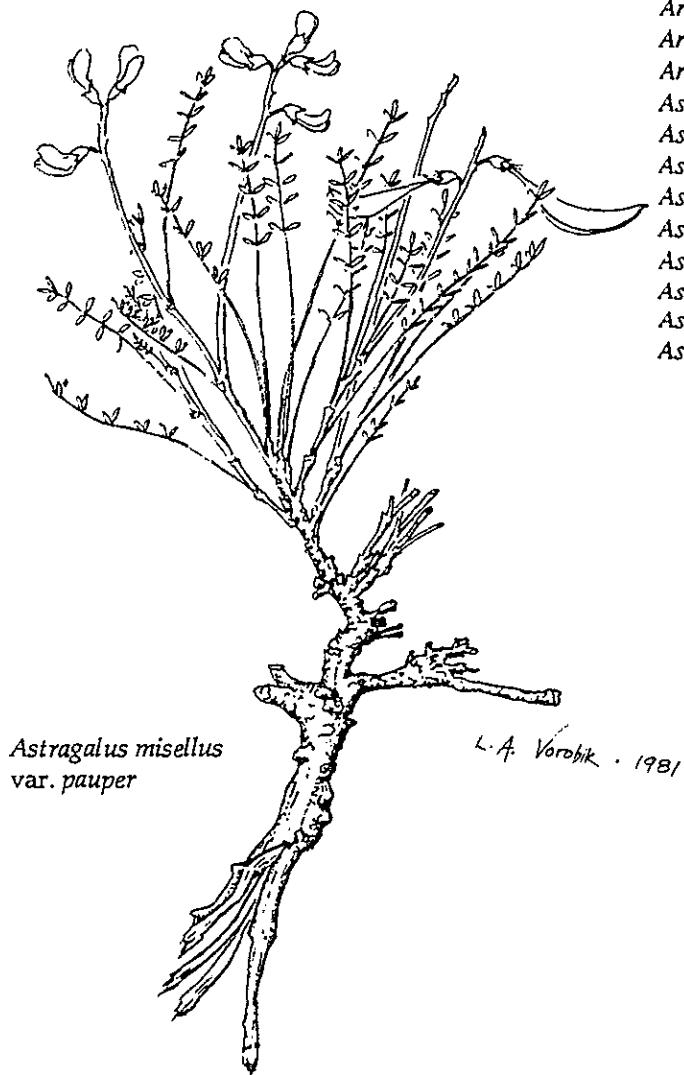
### *Taxa with unresolved taxonomic questions.*

- Arabis furcata* var. *olympica*  
*Arenaria franklinii* var. *thompsonii*  
*Balsamorhiza hirsuta*  
*Bromus vulgaris* var. *eximius*  
*Calamagrostis canadensis*  
     var. *imberbis*  
*Impatiens aurella*  
*Silene douglasii* var. *monantha*

**GROUP 3**

*Taxa more abundant and/or less threatened in Washington than previously assumed.*

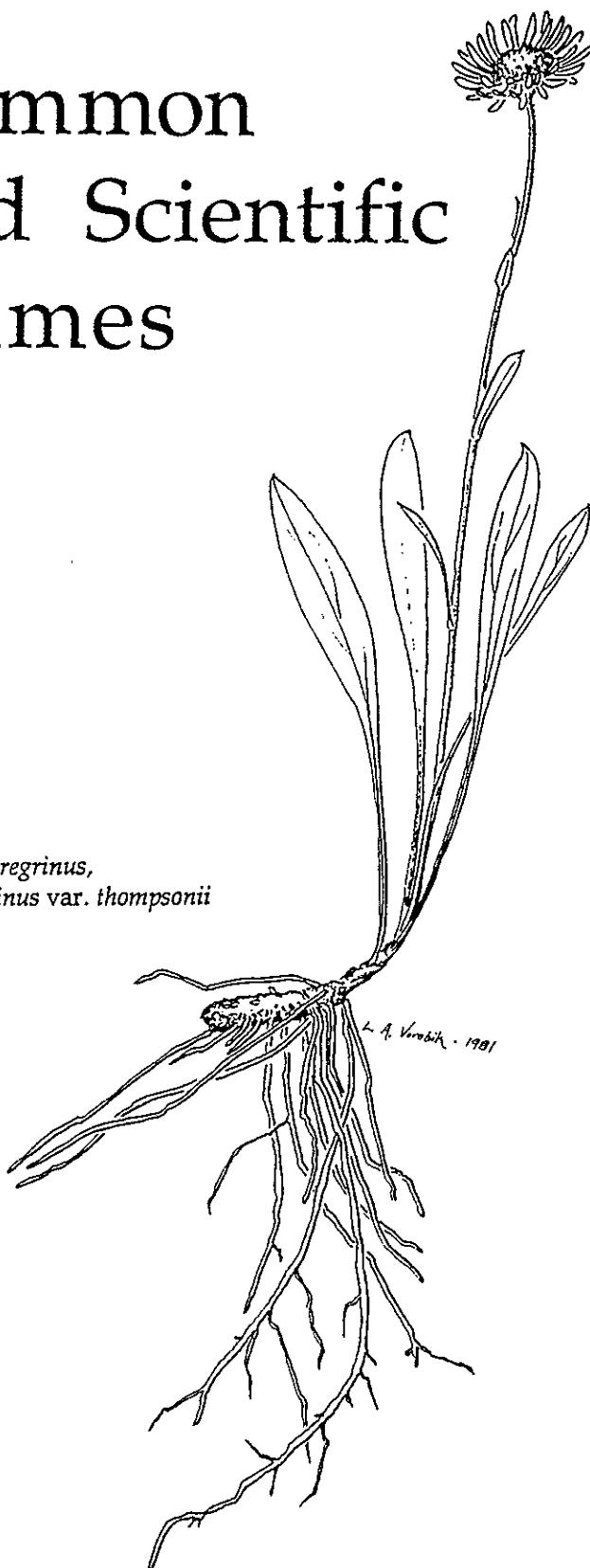
- Allium amplectens*  
*Allium columbianum*  
*Allium robinsonii*  
*Allium scilloides*  
*Anemone oregana* var. *felix*  
*Angelica canbyi*  
*Angelica hendersonii*  
*Arabis lemmonii* var. *paddoensis*  
*Arnica nevadensis*  
*Arnica rydbergii*  
*Artemisia lindleyana*  
*Asplenium viride*  
*Aster glaucescens*  
*Aster paucicapitatus*  
*Astragalus hoodianus*  
*Astragalus lyallii*  
*Astragalus reventus*  
*Astragalus sclerocarpus*  
*Astragalus speirocarpus*  
*Astragalus succumbens*



<i>Astragalus tweedyi</i>	<i>Erigeron compositus</i> var. <i>discoideus</i>	<i>Petrophytum hendersonii</i>
<i>Astragalus whitneyi</i> var. <i>sonneanus</i>	<i>Erigeron flettii</i>	<i>Phacelia bolanderi</i>
<i>Balsamorhiza rosea</i>	<i>Erigeron leibergii</i>	<i>Phlox hendersonii</i>
<i>Botrychium virginianum</i>	<i>Erysimum arenicola</i> var. <i>arenicola</i>	<i>Physaria alpestris</i>
<i>Calamagrostis howellii</i>	<i>Garrya fremontii</i>	<i>Platanthera orbiculata</i>
<i>Calamagrostis tweedyi</i>	<i>Geum triflorum</i> var. <i>campanulatum</i>	<i>Poa curtifolia</i>
<i>Caltha asarifolia</i>	<i>Haplopappus hallii</i>	<i>Poa leptocoma</i> var. <i>paucispicula</i>
<i>Campanula piperi</i>	<i>Hemitomes congestum</i>	<i>Poa marcida</i>
<i>Carex raynoldsii</i>	<i>Hieracium longiberbe</i>	<i>Poa rupicola</i>
<i>Cassiope stelleriana</i>	<i>Hulsea nana</i>	<i>Poa suksdorfii</i>
<i>Cassiope tetragona</i> var. <i>saximontana</i>	<i>Isopyrum hallii</i>	<i>Polygonum newberryi</i> var. <i>glabrum</i>
<i>Castilleja cervina</i>	<i>Ivesia tweedyi</i>	<i>Polystichum lemmonii</i> ( <i>P. mohrioides</i> )
<i>Castilleja suksdorfii</i>	<i>Lasthenia minor</i> var. <i>maritima</i>	<i>Potentilla uniflora</i>
<i>Chaenactis douglasii</i> var. <i>glandulosa</i>	<i>Lathyrus nevadensis</i> ssp. <i>lanceolatus</i>	<i>Ribes wolfii</i>
<i>Chaenactis ramosa</i>	var. <i>puniceus</i>	<i>Romanzoffia tracyi</i>
<i>Chrysanthemum nauseosus</i> var. <i>nanus</i>	<i>Lewisia tweedyi</i>	<i>Salix arctica</i>
<i>Cimicifuga laciiniata</i>	<i>Lloydia serotina</i>	<i>Salix brachycarpa</i> var. <i>brachycarpa</i>
<i>Cirsium brevifolium</i>	<i>Lomatium cuspidatum</i>	<i>Salix fluvialis</i>
<i>Cirsium hookerianum</i>	<i>Lomatium farinosum</i> var. <i>hamblenieae</i>	<i>Saxifraga lyallii</i>
<i>Cirsium utahense</i>	<i>Lomatium salmoniflorum</i>	<i>Scirpus cyperinus</i> var. <i>brachypodus</i>
<i>Claytonia megarhiza</i> var. <i>nivalis</i>	<i>Lomatium thompsonii</i>	<i>Sedum lanceolatum</i> ssp. <i>nesioticum</i>
<i>Comandra livida</i>	<i>Lomatium watsonii</i>	<i>Selaginella douglasii</i>
<i>Cryptantha thompsonii</i>	<i>Luina stricta</i>	<i>Senecio elmeri</i>
<i>Cypripedium montanum</i>	<i>Lupinus latifolius</i> var. <i>thompsonianus</i>	<i>Senecio lugens</i>
<i>Delphinium depauperatum</i>	<i>Lupinus microcarpus</i> var. <i>scopulorum</i>	<i>Senecio neowebsteri</i>
<i>Delphinium multiplex</i>	<i>Lupinus sericeus</i> var. <i>asotinensis</i>	<i>Sidalcea hendersonii</i>
<i>Delphinium nuttallii</i>	<i>Lycopodium alpinum</i>	<i>Sisyrinchium californicum</i>
<i>Delphinium xantholeucum</i>	<i>Nephrophyllidium crista-galli</i>	<i>Spiraea pyramidalis</i>
<i>Dodecatheon poeticum</i>	<i>Orthocarpus imbricatus</i>	<i>Suksdorfia violacea</i>
<i>Douglasia laevigata</i> var. <i>laevigata</i>	<i>Pedicularis bracteosa</i>	<i>Synthyris schizantha</i>
<i>Douglasia nivalis</i>	var. <i>atrosanguinea</i>	<i>Synthyris stellata</i>
<i>Draba aureola</i>	<i>Pedicularis bracteosa</i> var. <i>pachyrhiza</i>	<i>Talinum okanoganense</i>
<i>Draba ventosa</i> var. <i>ruaxes</i>	<i>Pediocactus simpsonii</i> var. <i>robustior</i>	<i>Thalictrum fendleri</i>
<i>Europhyton austinia</i>	<i>Pellaea glabella</i> var. <i>simplex</i>	<i>Thelypteris nevadensis</i>
	<i>Penstemon eriantherus</i> var. <i>whitedii</i>	<i>Tragopogon mirus</i>
	<i>Penstemon pennellianus</i>	<i>Tragopogon miscellus</i>
	<i>Penstemon washingtonensis</i>	<i>Valeriana columbiana</i>
		<i>Viola flettii</i>
		<i>Viola sheltonii</i>

A:  
Common  
and Scientific  
Names

*Erigeron peregrinus,*  
*ssp. peregrinus var. thompsonii*



# A: COMMON AND SCIENTIFIC NAMES

<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
adder's-tongue	<i>Ophioglossum vulgatum</i> L.	bedstraw, boreal	<i>Galium kamtschaticum</i> Steller ex J.A. & J.H. Schultes
agoseris, tall	<i>Agoseris elata</i> (Nutt.) Greene	bentgrass, northern	<i>Agrostis borealis</i> Hartm.
alkaligrass, Alaska	<i>Puccinellia nutkaensis</i> (Presl) Fern. & Weath.	bladderwort, flat-leaved	<i>Utricularia intermedia</i> Hayne in Schrad.
alpine-forget-me-not, pale	<i>Eritrichium nanum</i> (Vill.) Schrad. var. <i>elongatum</i> (Rydb.) Cronq.	blueberry	<i>Vaccinium myrtilloides</i> Michx.
alumroot, gooseberry-leaved	<i>Heuchera grossularifolia</i> Rydb. var. <i>tenuifolia</i> (Wheelock) C.L. Hitchc.	blue-cup, common	<i>Githopsis specularioides</i> Nutt.
aster, arctic	<i>Aster sibiricus</i> L. var. <i>meritus</i> (A. Nels.) Raup.	blue-eyed grass	<i>Sisyrinchium septentrionale</i> E.P. Bicknell
aster, Jessica's	<i>Aster jessicae</i> Piper	blue-eyed grass, pale	<i>Sisyrinchium sarmentosum</i> Suksd. ex Greene
aster, rush	<i>Aster junciformis</i> Rydb.	bluegrass, Gray's	<i>Poa grayana</i> Vasey
aster, white-top	<i>Aster curtus</i> Cronq.	bluegrass, loose-flowered	<i>Poa laxiflora</i> Buckley
avens, Ross'	<i>Geum rossii</i> (R. Br.) Ser. in DC. var. <i>depressum</i> (Greene) C.L. Hitchc.	bluegrass, Pacific	<i>Poa gracillima</i> Vasey var. <i>multinomae</i> (Piper) C.L. Hitchc.
avens, water (purple)	<i>Geum rivale</i> L.	bluegrass, San Francisco	<i>Poa unilateralis</i> Scribn.
azalea, alpine	<i>Loiseleuria procumbens</i> (L.) Desv.	bluegrass, Wheeler's	<i>Poa nervosa</i> (Hook.) Vasey var. <i>nervosa</i>
beardtongue, Barrett's	<i>Penstemon barrettiae</i> Gray	bog-orchid, canyon	<i>Platanthera sparsiflora</i> (S. Wats.) Schlechter

<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
bog-orchid, Choriso	<i>Platanthera chorisiana</i> (Cham.) Reichenb.	checker-mallow, rose	<i>Sidalcea malviflora</i> (DC.) Gray ex Benthe ssp. <i>virgata</i> (Howell) C.L. Hitchc.
bog-orchid, small northern	<i>Platanthera obtusata</i> (Banks ex. Pursh) Lindl.	chinquapin, golden	<i>Chrysolepis chrysophylla</i> (Dougl.) Hjelmqvist
bolandra	<i>Bolandra oregana</i> S. Wats.	cinquefoil, Brewer's	<i>Potentilla breweri</i> S. Wats.
broomrape, pine	<i>Orobanche pinorum</i> Geyer	cinquefoil, diverse-leaved	<i>Potentilla diversifolia</i> Lehm. var. <i>perdissecta</i> (Rydb.) C.L. Hitchc.
buckwheat, spotted	<i>Eriogonum maculatum</i> Heller	cinquefoil, five-leaved	<i>Potentilla quinquefolia</i> Rydb.
bugbane, tall,	<i>Cimicifuga elata</i> Nutt. in T. & G.	cinquefoil, snow	<i>Potentilla nivea</i> L.
burnet, Menzies'	<i>Sanguisorba menziesii</i> Rydb.	cliff-brake, Brewer's	<i>Pellaea breweri</i> D.C. Eat.
buttercup, Cooley's	<i>Ranunculus cooleyaee</i> Vasey & Rose	cliff-brake, Sierra	<i>Pellaea brachyptera</i> (Moore) Baker
buttercup, obscure	<i>Ranunculus reconditus</i> Nels. & Macbr.	clover, Douglas'	<i>Trifolium douglasii</i> House
cassiope, clubmoss	<i>Cassiope lycopodioides</i> (Pall.) D.Don ssp. <i>cristatipilosa</i> Calder & Taylor	clover, plumed	<i>Trifolium plumosum</i> Dougl. ex Hook. var. <i>plumosum</i>
chaenactis, Thompson's	<i>Chaenactis thompsonii</i> Cronq.	clover, Thompson's	<i>Trifolium thompsonii</i> Morton
chain-fern	<i>Woodwardia fimbriata</i> Sm. in Rees	clubmoss, bog	<i>Lycopodium inundatum</i> L.
checker-mallow, hairy-stemmed	<i>Sidalcea hirtipes</i> C.L. Hitchc.	clubmoss, treelike	<i>Lycopodium dendroideum</i> Michx.
checker-mallow, Oregon	<i>Sidalcea oregana</i> (Nutt.) Gray var. <i>calva</i> C.L. Hitchc.		

# A: COMMON AND SCIENTIFIC NAMES

<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
collinsia, few-flowered	<i>Collinsia sparsiflora</i> Fisch. & Mey. var. <i>bruciae</i> (Jones) Newsom	daisy, basalt	<i>Erigeron basalticus</i> Hoover
combseed, bristly	<i>Pectocarya setosa</i> Gray	daisy, gorge	<i>Erigeron oreganus</i> Gray
cordgrass, prairie	<i>Spartina pectinata</i> Link.	daisy, Howell's	<i>Erigeron howellii</i> Gray
3 corydalis, Clackamas	<i>Corydalis aquae-gelidae</i> Peck & Wilson	daisy, Piper's	<i>Erigeron piperianus</i> Cronq.
10 cotton-grass, green keeled	<i>Eriophorum viridicarinatum</i> (Engelm.) Fern.	daisy, Thompson's wandering	<i>Erigeron peregrinus</i> (Pursh) Greene ssp. <i>peregrinus</i> var. <i>thompsonii</i> (Blake) Cronq.
17 coyote-thistle, Oregon	<i>Eryngium petiolatum</i> Hook.	desert-parsley, Cusick's	<i>Lomatium cusickii</i> (S. Wats.) Coulth. & Rose
27 crazyweed, Columbia	<i>Oxytropis campestris</i> (L.) DC. var. <i>columbiana</i> (St. John) Barneby	desert-parsley, Hoover's	<i>Lomatium tuberosum</i> Hoover
12 crazyweed, sticky	<i>Oxytropis viscosa</i> Nutt. in T. & G.	desert-parsley, Rollins'	<i>Lomatium rollinsii</i> Math. & Const.
9 cryptantha, beaked	<i>Cryptantha rostellata</i> Greene	desert-parsley, smooth	<i>Lomatium laevigatum</i> (Nutt.) Coulth. & Rose
cryptantha, bristly	<i>Cryptantha interrupta</i> (Greene) Pays.	desert-parsley, Snake Canyon	<i>Lomatium serpentinum</i> (M.E. Jones) Math.
cryptantha, gray	<i>Cryptantha leucophaea</i> (Dougl.) Pays.	desert-parsley, Suksdorf's	<i>Lomatium suksdorffii</i> (S. Wats.) Coulth. & Rose
currant, squaw	<i>Ribes cereum</i> Dougl. var. <i>colubrinum</i> C.L. Hitchc.	desert-parsley, Umtanum	<i>Lomatium quintuplex</i> Schlessm. & Const.
daisy, arctic-alpine	<i>Erigeron humilis</i> Graham	draba, Douglas'	<i>Draba douglasii</i> Gray var. <i>douglasii</i>
		draba, golden	<i>Draba aurea</i> Vahl in Hornem.

<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
draba, lance-leaved	<i>Draba cana</i> Rydb.	globemallow, longsepal	<i>Iliamna longisepala</i> (Torr.) Wiggins
draba, long-stalked	<i>Draba longipes</i> Raup	golden-carpet, northern	<i>Chrysosplenium tetrandrum</i> (Lund) Fries
eatonella	<i>Eatonella nivea</i> (D.C. Eat.) Gray	goldenweed, Palouse	<i>Haplopappus liatiformis</i> (Greene) St. John
evening-primrose, dwarf	<i>Oenothera pygmaea</i> Dougl. ex Lehm. in Hook.	goldthread, spleenwort-leaved	<i>Coptis asplenifolia</i> Salisb.
evening-primrose, long-tubed	<i>Oenothera flava</i> (A. Nels.) Garrett	gooseberry, Idaho	<i>Ribes oxyacanthoides</i> L. ssp. <i>irriguum</i> (Dougl.) Sinnott
false-hellebore, Siskiyou	<i>Veratrum insolitum</i> Jeps.	gooseberry, Umatilla	<i>Ribes oxyacanthoides</i> L. ssp. <i>cognatum</i> (Greene) Sinnott
false-pimpernel	<i>Lindernia anagallidea</i> (Michx.) Pennell	grape-fern, lance-leaved	<i>Botrychium lanceolatum</i> (S.G. Gmel.) Angstr.
fawn-lily, pink	<i>Erythronium revolutum</i> Sm. in Rees	grape-fern, little	<i>Botrychium simplex</i> E. Hitchc.
flat-sedge, shining	<i>Cyperus rivularis</i> Kunth	grape-fern, Victorin's	<i>Botrychium minganense</i> Vict.
fleabane, Alice's	<i>Erigeron aliceae</i> Howell	grass-of-Parnassus, fringed	<i>Parnassia fimbriata</i> Konig. var. <i>hoodiana</i> C.L. Hitchc.
fleabane, tall bitter	<i>Erigeron acris</i> L. var. <i>elatus</i> (Hook.) Cronq.	grass-of-Parnassus, Kotzebue's	<i>Parnassia kotzebuei</i> Cham. ex Spreng.
gentian, glaucous	<i>Gentiana glauca</i> Pall.	grass-of-Parnassus, northern	<i>Parnassia palustris</i> L. var. <i>neogaea</i> Fern.
gentian, slender	<i>Gentiana tenella</i> Rottb.	harebell, Alaska	<i>Campanula lasiocarpa</i> Cham.
gentian, swamp	<i>Gentiana douglasiana</i> Bong.		

# A: COMMON AND SCIENTIFIC NAMES

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<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
helleborine, giant	<i>Epipactis gigantea</i> Dougl. ex Hook.	lobelia, water	<i>Lobelia dortmanna</i> L.
howellia	<i>Howellia aquatilis</i> Gray	lousewort, Mt. Rainier	<i>Pedicularis rainierensis</i> Pennell & Warren
Indian-paintbrush, golden	<i>Castilleja levisecta</i> Greenm.	lupine, Cusick's	<i>Lupinus cusickii</i> S. Wats.
Indian-paintbrush, obscure	<i>Castilleja cryptantha</i> Pennell & G.N. Jones	lupine, Kincaid's sulfur	<i>Lupinus sulphureus</i> Dougl. var. <i>kincaidii</i> (Smith) Hitchc.
knotweed, Austin's	<i>Polygonum austinae</i> Greene	lupine, Sabin's	<i>Lupinus sabinii</i> Dougl. ex Hook.
ladies-tresses, western	<i>Spiranthes romanzoffiana</i> Cham. var. <i>porrifolia</i> (Lindl.) Ames & Correll	maiden-hair, dwarf	<i>Adiantum pedatum</i> L. ssp. <i>subpumilum</i> (Wagner in Wagner & Boydston) Lellinger
lady's-slipper, clustered	<i>Cypripedium fasciculatum</i> Kell. ex S. Wats.	mariposa, broad-fruit	<i>Calochortus nitidus</i> Dougl.
lady's-slipper, yellow	<i>Cypripedium calceolus</i> L. var. <i>parviflorum</i> (Salisb.) Fern.	meadow Rue, purple	<i>Thalictrum dasycarpum</i> Fish. & Ave-Lall.
larkspur, pale	<i>Delphinium leucophaeum</i> Greene	meconella, white	<i>Meconella oregana</i> Nutt. in T. & G.
larkspur, Wenatchee	<i>Delphinium viridescens</i> Leiberg	microseris, coast	<i>Microseris bigelovii</i> (Gray) Schultz-Bip.
lily, black (Indian rice)	<i>Fritillaria camschatcensis</i> (L.) Ker-Gawl.	microseris, northern	<i>Microseris borealis</i> (Bong.) Schultz-Bip.
linanthus, Baker's	<i>Linanthus bakeri</i> Mason	milk-vetch, Ames'	<i>Astragalus pulsiferae</i> Gray var. <i>suksdorfii</i> (Howell) Barneby
lip-fern, Fee's	<i>Cheilanthes feei</i> Moore		
lobelia, Kalm's	<i>Lobelia kalmii</i> L.		

<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
milk-vetch, Arthur's	<i>Astragalus arthuri</i> M.E. Jones	monkey-flower, Pulsifer's	<i>Mimulus pulsiferae</i> Gray
milk-vetch, Columbia	<i>Astragalus columbianus</i> Barneby	monkey-flower, Suksdorf's	<i>Mimulus suksdorffii</i> Gray
milk-vetch, Cotton's	<i>Astragalus australis</i> (L.) Lam. var. <i>olympicus</i> Isely	montia, branching	<i>Montia diffusa</i> (Nutt.) Greene
milk-vetch, Cusick's	<i>Astragalus cusickii</i> Gray var. <i>cusickii</i>	moonwort	<i>Botrychium lunaria</i> (L.) Swartz
milk-vetch, Geyer's	<i>Astragalus geyeri</i> Gray	moonwort, mountain	<i>Botrychium montanum</i> W.H. Wagner
milk-vetch, least bladdery	<i>Astragalus microcystis</i> Gray	moonwort, St. John's	<i>Botrychium pinnatum</i> St. John
milk-vetch, Palouse	<i>Astragalus arrectus</i> Gray	mountain-avens, yellow	<i>Dryas drummondii</i> Richards. ex Hook.
milk-vetch, pauper	<i>Astragalus misellus</i> S. Wats. var. <i>pauper</i> Barneby	mudwort, southern	<i>Limosella acaulis</i> Ses. & Moc.
milk-vetch, Piper's	<i>Astragalus riparius</i> Barneby	muhly, marsh	<i>Muhlenbergia glomerata</i> (Willd.) Trin.
milk-vetch, thistle	<i>Astragalus kentrophyta</i> Gray var. <i>douglasii</i> Barneby	nagoonberry	<i>Rubus acaulis</i> Michx.
milk-vetch, transparent	<i>Astragalus diaphanus</i> Dougl. ex Hook.	navarretia, marigold	<i>Navarretia tagetina</i> Greene
milk-vetch, Whited's	<i>Astragalus sinuatus</i> Piper	onion, Blue Mt.	<i>Allium dictuon</i> St. John
monkey-flower, liverwort	<i>Mimulus jungermannioides</i> Suksd.	onion, constricted Douglas'	<i>Allium constrictum</i> (Mingrone & Ownbey) Peterson, Annable, & Rieseberg

# A: COMMON AND SCIENTIFIC NAMES

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<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
owl-clover, rosy	<i>Orthocarpus bracteosus</i> Benth.	pussy-toes, meadow	<i>Antennaria corymbosa</i> E. Nels.
oxalis, western yellow	<i>Oxalis suksdorfii</i> Trel.	pussy-toes, Nuttall's	<i>Antennaria parvifolia</i> Nutt.
pasqueflower	<i>Anemone nuttalliana</i> DC.	pygmy-weed	<i>Tillaea aquatica</i> L.
peavine, Torrey's	<i>Lathyrus torreyi</i> Gray	pygmy-weed, erect	<i>Tillaea erecta</i> Hook. & Arn.
penstemon, hot-rock	<i>Penstemon deustus</i> Dougl. ex Lindl. var. <i>variabilis</i> (Suksd.) Cronq.	queen-of-the-forest	<i>Filipendula occidentalis</i> (S. Wats.) Howell
peppergrass, sharpfruited	<i>Lepidium oxycarpum</i> T. & G.	quillwort, Nuttall's	<i>Isoetes nuttallii</i> A. Br. ex Engelm.
phacelia, Franklin's	<i>Phacelia franklinii</i> (R.Br.) Gray	raspberry, northwest	<i>Rubus nigerrimus</i> (Greene) Rydb.
phacelia, sticky	<i>Phacelia lenta</i> Piper	reedgrass, thickglume	<i>Calamagrostis crassiglumis</i> Thurb.
pinesap, fringed	<i>Pleuricospora fimbriolata</i> Gray	ricegrass, Henderson's	<i>Oryzopsis hendersonii</i> Vasey
plantain, Alaska	<i>Plantago macrocarpa</i> Cham. & Schlecht.	rockbrake, Steller's	<i>Cryptogramma stelleri</i> (S.G. Gmel.) Prantl
polemonium, great	<i>Polemonium carneum</i> Gray	rockcress, cross-haired	<i>Arabis crucisetosa</i> Const. & Rollins
polemonium, skunk	<i>Polemonium viscosum</i> Nutt.	rockmat, Chelan	<i>Petrosymum cinerascens</i> (Piper) Rydb.
polemonium, Washington	<i>Polemonium pectinatum</i> Greene	rush, dwarf	<i>Juncus hemiendytus</i> F.J. Hermann var. <i>hemiendytus</i>
pondweed, blunt-leaved	<i>Potamogeton obtusifolius</i> Mert. & Koch	rush, Kellogg's	<i>Juncus kelloggii</i> Engelm.

<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
sandverbena, pink	<i>Abronia umbellata</i> Lam. ssp. <i>acutalata</i> (Standl.) Tillett	sedge, coiled	<i>Carex circinata</i> C.A. Mey.
sandwort, swamp	<i>Arenaria paludicola</i> Robins.	sedge, dense	<i>Carex densa</i> (L.H. Bailey) L.H. Bailey
sanicle, bear's-foot	<i>Sanicula arctopoides</i> H. & A.	sedge, erect blackened	<i>Carex atrata</i> L. var. <i>erecta</i> Boott
saxifrage, nodding	<i>Saxifraga cernua</i> L.	sedge, few-flowered	<i>Carex pauciflora</i> Light.
saxifrage, pygmy	<i>Saxifraga debilis</i> Engelm.	sedge, green-fruited	<i>Carex interrupta</i> Boeck.
saxifrage, swamp	<i>Saxifraga integrifolia</i> Hook. var. <i>apetala</i> (Piper) M.E. Jones	sedge, large-awn	<i>Carex macrochaeta</i> C.A. Mey.
scurvygrass	<i>Cochlearia officinalis</i> L.	sedge, long-styled	<i>Carex stylosa</i> C.A. Mey.
sedge, blackened	<i>Carex atrata</i> L. var. <i>atrosquama</i> (Mack.) Cronq.	sedge, many-headed	<i>Carex sychnocephala</i> Carey
sedge, blunt	<i>Carex obtusata</i> Lilj.	sedge, narrow-leaved	<i>Carex stenophylla</i> Wahl.
sedge, bristly	<i>Carex comosa</i> Boott	sedge, poor	<i>Carex paupercula</i> Michx.
sedge, bronze	<i>Carex aenea</i> Fern.	sedge, porcupine	<i>Carex hystricina</i> Muhl. ex Willd.
sedge, Buxbaum's	<i>Carex buxbaumii</i> Wahl.	sedge, russet	<i>Carex saxatilis</i> L. var. <i>major</i> Olney
sedge, Canadian single-spike	<i>Carex scirpoidea</i> Michx. var. <i>scirpoidea</i>	sedge, saw-leaved	<i>Carex scopulorum</i> Holm var. <i>prionophylla</i> (Holm) L.A. Standley

# A: COMMON AND SCIENTIFIC NAMES

<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
sedge, Scandinavian	<i>Carex norvegica</i> Retz.	spike-rush, purple	<i>Eleocharis atropurpurea</i> (Retz.) Kunth
sedge, several-flowered	<i>Carex pluriflora</i> Hulten	spiraea, subalpine	<i>Spiraea densiflora</i> Nutt. var. <i>splendens</i> (Baumann) C.L. Hitchc.
sedge, Smoky Mt.	<i>Carex proposita</i> Mack.	springbeauty, Pacific lance-leaved	<i>Claytonia lanceolata</i> Pursh var. <i>pacifica</i> McNeill
sedge, yellow	<i>Carex flava</i> L.	stickseed, diffuse	<i>Hackelia diffusa</i> (Dougl. ex Lehm.) Johnst. var. <i>diffusa</i>
9 sedge, yellow-flowered	<i>Carex anthoxantha</i> Presl	stickseed, gray	<i>Hackelia cinerea</i> (Piper) Johnst.
0 segolily, long-bearded	<i>Calochortus longebarbatus</i> S. Wats. var. <i>longebarbatus</i>	stickseed, rough	<i>Hackelia hispida</i> (Gray) Johnst. var. <i>hispida</i>
0 shield-fern, crested	<i>Dryopteris cristata</i> (L.) Gray	stickseed, sagebrush	<i>Hackelia hispida</i> (Gray) Johnst. var. <i>disjuncta</i> Carr
7 shooting star, few-flowered	<i>Dodecatheon pulchellum</i> (Raf.) Merrill var. <i>watsonii</i> (Tidestrom) C.L. Hitchc.	silene, showy	<i>Hackelia venusta</i> (Piper) St. John
7 1 2 silene, Seely's	<i>Silene seelyi</i> Morton & Thompson	sullivantia, Oregon	<i>Sullivantia oregana</i> S. Wats.
9 silene, Spalding's	<i>Silene spaldingii</i> S. Wats.	sword-fern, California	<i>Polystichum californicum</i> (D.C. Eat.) Diels
1 snake-root, black	<i>Sanicula marilandica</i> L.	synthyris, cut-leaf	<i>Synthyris pinnatifida</i> S. Wats. var. <i>lanuginosa</i> (Piper) Cronq.
2 snowberry, creeping	<i>Gaultheria hispidula</i> (L.) Muhl.		
spike-rush, beaked	<i>Eleocharis rostellata</i> (Torr.) Torr.		

<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>
tauschia, Hoover's	<i>Tauschia hooveri</i> Math. & Const.	waterplantain, fringed	<i>Machaerocarpus</i> <i>californicus</i> (Torr. ex Benth.) Small
tauschia, Leiberg's	<i>Tauschia tenuissima</i> (Geyer ex Hook.) Math. & Const.	willow, hoary	<i>Salix candida</i> Fluegge ex Willd.
tobacco, coyote	<i>Nicotiana attenuata</i> Torr.	willow, MacCall's	<i>Salix maccalliana</i> Rowlee
trillium, small-flowered	<i>Trillium parviflorum</i> Soukup	willow, rock	<i>Salix vestita</i> Pursh var. <i>erecta</i> Anderss.
twayblade	<i>Liparis loeselii</i> (L.) L.C. Rich.	willow, soft-leaved	<i>Salix sessilifolia</i> Nutt.
twayblade, northern	<i>Listera borealis</i> Morong	willow, Tweedy's	<i>Salix tweedyi</i> (Bebb) Ball
twipod, common	<i>Physaria didymocarpa</i> (Hook.) Gray var. <i>didymocarpa</i>	woodrush, curved	<i>Luzula arcuata</i> (Wahlenb.) Wahlenb.
violet, kidney-leaved	<i>Viola renifolia</i> Gray	woodsage	<i>Teucrium canadense</i> L. ssp. <i>viscidum</i> (Piper) Taylor & MacBryde
water-buttercup, long-beaked	<i>Ranunculus longirostris</i> Godr.	wormwood, northern	<i>Artemisia campestris</i> L. ssp. <i>borealis</i> Hall & Clem. var. <i>wormskioldii</i> (Bess.) Cronq.
water-hemlock, bulb-bearing	<i>Cicuta bulbifera</i> L.	yellowcress, persistentsepal	<i>Rorippa columbiae</i> Suksd. ex Howell
water-lily, pygmy	<i>Nymphaea tetragona</i> Georgi		
water-pimpernel	<i>Samolus parviflorus</i> Raf.		

**B:**

**List Changes**

**Made Since 1987**

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# LIST CHANGES MADE SINCE 1987

## STATUS CHANGES

## ADDITIONS

### Elevated

#### Threatened to Endangered

*Artemisia campestris*  
    ssp. *borealis*  
    var. *wormskioldii*  
*Delphinium leucophaeum*

### Sensitive

*Adiantum pedatum* ssp. *subpumilum*  
*Botrychium simplex*  
*Draba longipes*  
*Gentiana tenella*  
*Oxytropis campestris* var. *columbiana*  
*Pectocarya setosa*  
*Salix sessilifolia*  
*Spartina pectinata*  
*Trifolium douglasii*

### Moved

#### Possibly Extinct or Extirpated to Threatened

*Lobelia kalmii*

#### Sensitive to Possibly Extinct or Extirpated

*Juncus hemiendytus* var. *hemiendytus*  
*Lathyrus torreyi*

### Monitor

(Group 1: Taxa in need of further field research)

*Arenaria nuttallii* var. *fragilis*  
*Corydalis aurea*  
*Hypericum majus*  
*Juncus uncialis*  
*Mimulus cusickii*  
*Montia howellii*  
*Phacelia minutissima*  
*Phacelia tetramera*  
*Saxifraga tischii*  
*Utricularia minor*  
*Zigadenus elegans*

### Lowered

#### Threatened to Sensitive

*Castilleja cryptantha*  
*Lomatium suksdorfii*

#### Sensitive to Monitor

*Astragalus hoodianus*  
*Astragalus tweedyi*  
*Calamagrostis tweedyi*  
*Chaenactis douglasii* var. *glandulosa*  
*Chaenactis ramosa*  
*Cirsium utahense*  
*Mimulus washingtonensis*  
*Ribes wolfii*

### Deleted

#### from Monitor

*Erythronium oregonum*  
*Tauschia stricklandii*

# NOMENCLATURAL CHANGES

# INFORMATION

<i>Species</i>	<i>Changed to...</i>
<i>Allium douglasii</i> Hook. var. <i>constrictum</i> Mingrone & Ownbey	<i>Allium constrictum</i> (Mingrone & Ownbey) Peterson, Annable, & Rieseberg
<i>Allium douglasii</i> Hook. var. <i>columbianum</i> Ownbey & Mingrone	<i>Allium columbianum</i> (Ownbey & Mingrone) Peterson, Annable, & Rieseberg
<i>Astragalus coccineus</i> M.E. Jones	<i>Astragalus australis</i> (L.) Lam. var. <i>olympicus</i> Isely
<i>Draba lanceolata</i> Royce	<i>Draba cana</i> Rydb.
<i>Poa pachypholis</i> Piper	<i>Poa unilateralis</i> Scribn.
<i>Ribes cognatum</i> Greene	<i>Ribes oxyacanthoides</i> L. ssp. <i>cognatum</i> (Greene) Sinnott
<i>Ribes irreguum</i> Dougl.	<i>Ribes oxyacanthoides</i> L. ssp. <i>irreguum</i> (Douglas) Sinnott

Additional information on changes included in this appendix may be obtained from:

Washington Natural Heritage Program  
Department of Natural Resources  
Division of Land and Water Conservation  
MAIL STOP: EX-13  
Olympia, WA 98504  
(206) 753-2449

# C: Synonyms



# C: SYNONYMS

This appendix notes plants included in this publication which are found under a synonym in Hitchcock and Cronquist (1973), *Flora of the Pacific Northwest*.

	<i>Current Name</i>	<i>Synonym</i>	<i>Current Name</i>	<i>Synonym</i>
10	<i>Abronia umbellata</i> Lam. ssp. <i>acutalata</i> (Standl.) Tillett	<i>Abronia umbellata</i> Lam. var. <i>acutalata</i> (Standl.)	<i>Platanthera chorisiana</i> (Cham.) Reichenb.	<i>Habenaria chorisiana</i> Cham.
6	<i>Allium constrictum</i> (Mingrone & Ownbey) Peterson, Annable, & Rieseberg	<i>Allium douglasii</i> Hook. var. <i>constrictum</i> Mingrone & Ownbey	<i>Platanthera obtusata</i> (Banks ex Pursh) Lindl.	<i>Habenaria obtusata</i> (Banks ex Pursh) Richards.
0	<i>Allium columbianum</i> (Ownbey & Mingrone) Peterson, Annable & Rieseberg	<i>Allium douglasii</i> Hook. var. <i>columbianum</i> Ownbey & Mingrone	<i>Platanthera sparsiflora</i> (S. Wats.) Schlechter	<i>Habenaria sparsiflora</i> S. Wats.
7	<i>Astragalus australis</i> (L.) Lam. var. <i>olympicus</i> Isely	<i>Astragalus coccinii</i> M.E. Jones	<i>Poa unilateralis</i> Scribn.	<i>Poa pachypholis</i> Piper
2	<i>Carex scopulorum</i> Holm var. <i>prionophylla</i> (Holm) L.A. Standley	<i>Carex prionophylla</i> Holm	<i>Ribes oxyacanthoides</i> L. ssp. <i>cognatum</i> (Greene) Sinnott	<i>Ribes cognatum</i> Greene
1	<i>Chrysolepis</i> <i>chrysophylla</i> (Dougl.) Hjelmqvist	<i>Castanopsis</i> <i>chrysophylla</i> (Dougl.) DC.	<i>Ribes oxyacanthoides</i> L. ssp. <i>irriguum</i> (Douglas) Sinnott	<i>Ribes irriguum</i> Dougl.
2	<i>Draba cana</i> Rydb.	<i>Draba lanceolata</i> Royle	<i>Rorippa columbiae</i> Suksd. ex Howell	<i>Rorippa calycina</i> (Engelm.) Rydb. var. <i>columbiae</i> (Suksd.) Rollins
9	<i>Lupinus cusickii</i> S. Wats.	<i>Lupinus lepidus</i> Dougl. var. <i>cusickii</i> (Wats.) Hitchc.	<i>Tauschia tenuissima</i> (Geyer ex Hook.) Math. & Const.	<i>Lomatium orogenioides</i> (Coulter & Rose) Math.
	<i>Microseris borealis</i> (Bong.) Schultz-Bip.	<i>Apargidium boreale</i> (Bong.) T. & G.	<i>Teucrium canadense</i> L. ssp. <i>viscidum</i> (Piper) Taylor & MacBryde	<i>Teucrium canadense</i> L. var. <i>occidentale</i> (Gray) McClintock & Epling

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	<i>Cicuta</i>				<i>rossii</i>	
	<i>bulbifera</i>	1-14	<i>Eatonella</i>		<i>depressum</i>	1-16
	<i>Cimicifuga</i>		<i>nivea</i>	1-7	<i>Githopsis</i>	
	<i>elata</i>	1-14	<i>Eleocharis</i>		<i>specularioides</i>	1-17
	<i>Claytonia</i>		<i>atropurpurea</i>	1-24		
	<i>lanceolata</i>		<i>rostellata</i>	1-15	<i>H</i>	
	<i>pacifica</i>	1-14	<i>Epipactis</i>			
	<i>Cochlearia</i>		<i>gigantea</i>	1-15	<i>Hackelia</i>	
	<i>officinalis</i>	1-14	<i>Erigeron</i>		<i>cinerea</i>	1-17
	<i>Collinsia</i>		<i>acris</i>		<i>diffusa</i>	
	<i>sparsiflora</i>		<i>elatus</i>	1-15	<i>diffusa</i>	1-17
	<i>bruciae</i>	1-14	<i>aliceae</i>	1-15	<i>hispida</i>	
	<i>Coptis</i>		<i>basalticus</i>	1-7	<i>disjuncta</i>	1-17
	<i>asplenifolia</i>	1-14	<i>howellii</i>	1-7	<i>hispida</i>	1-24
	<i>Corydalis</i>		<i>humilis</i>	1-15	<i>venusta</i>	1-6
	<i>aquea-gelidae</i>	1-7	<i>oreganus</i>	1-15	<i>Haplopappus</i>	
	<i>Cryptantha</i>		<i>peregrinus</i>		<i>liatiformis</i>	1-7
	<i>interrupta</i>	1-14	<i>peregrinus</i>		<i>Heuchera</i>	
	<i>leucophaea</i>	1-14	<i>thompsonii</i>	1-15	<i>grossulariifolia</i>	
	<i>rostellata</i>	1-14	<i>piperianus</i>	1-16	<i>tenuifolia</i>	1-17
	<i>Cryptogramma</i>		<i>Eriogonum</i>		<i>Howellia</i>	
	<i>stelleri</i>	1-14	<i>maculatum</i>	1-24	<i>aquatica</i>	1-6
			<i>Eriophorum</i>			
			<i>viridicarinatum</i>	1-16		

<b>I</b>	<i>Iliamna longisepala</i>	1-17	<i>Lycopodium dendroideum</i>	1-18	<b>P</b>
<i>Isoetes nuttallii</i>	1-17		<i>inundatum</i>	1-18	
<b>J</b>			<b>M</b>		
<i>Juncus hemiendytus</i>	1-25		<i>Machaerocarpus californicus</i>	1-18	
<i>hemiendytus</i>			<i>Meconella oregana</i>	1-18	
<i>kelloggii</i>	1-17		<i>Microseris bigelovii</i>	1-8	
			<i>borealis</i>	1-18	
<i>Lathyrus torreyi</i>	1-25		<i>Mimulus jungermannioides</i>	1-25	
<i>Lepidium oxycarpum</i>	1-17		<i>pulsiferae</i>	1-18	
<i>Atmosella acaulis</i>	1-17		<i>suksdorffii</i>	1-18	
<i>Linanthus bakeri</i>	1-17		<i>Montia diffusa</i>	1-18	
<i>Lindernia</i>	1-17		<i>Muhlenbergia glomerata</i>	1-19	
<i>Anagallidea</i>	1-17		<b>N</b>		
<i>Liparis</i>	1-6		<i>Navarretia tagetina</i>	1-8	
<i>Toeselii</i>			<i>Nicotiana attenuata</i>	1-19	
<i>Listera</i>			<i>Nymphaea tetragona</i>	1-25	
<i>borealis</i>	1-17				
<i>Lobelia dortmanna</i>	1-17				
<i>kalmii</i>	1-7				
<i>Loiseleuria procumbens</i>	1-17		<b>O</b>		
<i>Lomatium cusickii</i>	1-25		<i>Oenothera flava</i>	1-25	
<i>laevigatum</i>	1-18		<i>pygmaea</i>	1-19	
<i>quintuplex</i>	1-18		<i>Ophioglossum vulgatum</i>	1-8	
<i>rollinstii</i>	1-8		<i>Orobanche pinorum</i>	1-19	
<i>serpentinum</i>	1-18		<i>Orthocarpus bracteosus</i>	1-19	
<i>suksdorffii</i>	1-18		<i>Oryzopsis hendersonii</i>	1-19	
<i>tuberosum</i>	1-8		<i>Oxalis suksdorffii</i>	1-19	
<i>Lupinus</i>			<i>Oxytropis campestris</i>		
<i>cusickii</i>	1-18		<i>columbiana</i>		
<i>sabini</i>	1-8		<i>viscosa</i>		
<i>sulphureus</i>					
<i>kincaidii</i>	1-8				
<i>Luzula</i>					
<i>arcuata</i>	1-18				

<i>Potentilla</i>		<i>Sidalcea</i>		
<i>breweri</i>	1-21	<i>hirtipes</i>	1-9	
<i>diversifolia</i>		<i>malviflora</i>		
<i>perdissecta</i>	1-21	<i>virgata</i>	1-25	
<i>nivea</i>	1-21	<i>oregana</i>		
<i>quinquefolia</i>	1-21	<i>calva</i>	1-9	
<i>Puccinellia</i>				
<i>nutkaensis</i>	1-21	<i>Silene</i>		
		<i>seelyi</i>	1-9	
		<i>spaldingii</i>	1-9	
<b>R</b>		<i>Sisyrinchium</i>		
<i>Ranunculus</i>		<i>sarmentosum</i>	1-9	
<i>cooleya</i>	1-21	<i>septentrionale</i>	1-22	
<i>longirostris</i>	1-21	<i>Spartina</i>		
<i>reconditus</i>	1-8	<i>pectinata</i>	1-22	
<i>Ribes</i>		<i>Spiraea</i>		
<i>cereum</i>		<i>densiflora</i>		
<i>columbrinum</i>	1-21	<i>splendens</i>	1-22	
<i>oxyacanthoides</i>		<i>Spiranthes</i>		
<i>cognatum</i>	1-21	<i>romanzoffiana</i>		
<i>irriguum</i>	1-21	<i>porrifolia</i>	1-23	
<i>Rorippa</i>		<i>Sullivantia</i>		
<i>columbiae</i>	1-6	<i>oregana</i>	1-9	
<i>Rubus</i>		<i>Synthyris</i>		
<i>acaulis</i>	1-21	<i>pinnatifida</i>		
<i>nigerrimus</i>	1-9	<i>lanuginosa</i>	1-23	
		<b>T</b>		
<i>Salix</i>		<i>Tauschia</i>		
<i>candida</i>	1-22	<i>hooveri</i>	1-9	
<i>maccalliana</i>	1-22	<i>tenuissima</i>	1-25	
<i>sessilifolia</i>	1-22	<i>Teucrium</i>		
<i>tweedyi</i>	1-22	<i>canadense</i>		
<i>vestita</i>		<i>viscidum</i>	1-23	
<i>erecta</i>	1-25	<i>Thalictrum</i>		
<i>Samolus</i>		<i>dasycarpum</i>	1-23	
<i>parviflorus</i>	1-22	<i>Tillaea</i>		
<i>Sanguisorba</i>		<i>aquatica</i>	1-23	
<i>menziesii</i>	1-22	<i>erecta</i>	1-23	
<i>Sanicula</i>		<i>Trifolium</i>		
<i>arctopoides</i>	1-22	<i>douglasii</i>	1-23	
<i>marilandica</i>	1-22	<i>plumosum</i>		
<i>Saxifraga</i>		<i>plumosum</i>	1-23	
<i>cernua</i>	1-22	<i>thompsonii</i>	1-9	
<i>debilis</i>	1-22	<i>Trillium</i>		
<i>integripolia</i>		<i>parviflorum</i>	1-23	
<i>apetala</i>	1-22			